A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

1967 CENSUS OF MANUFACTURES

Vol. II

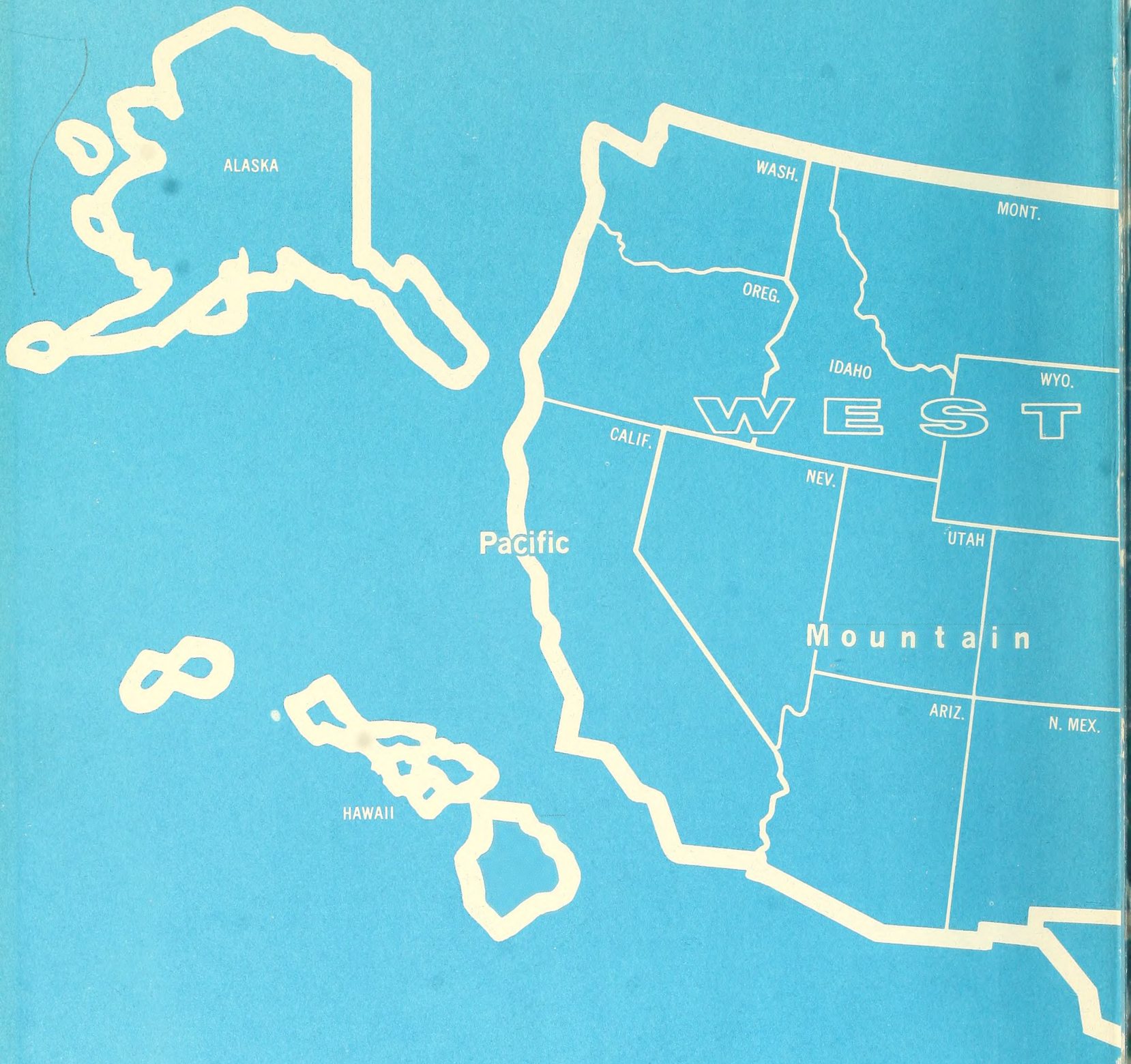


INDUSTRY STATISTICS

Part 3 Major Groups 34-39 and 19

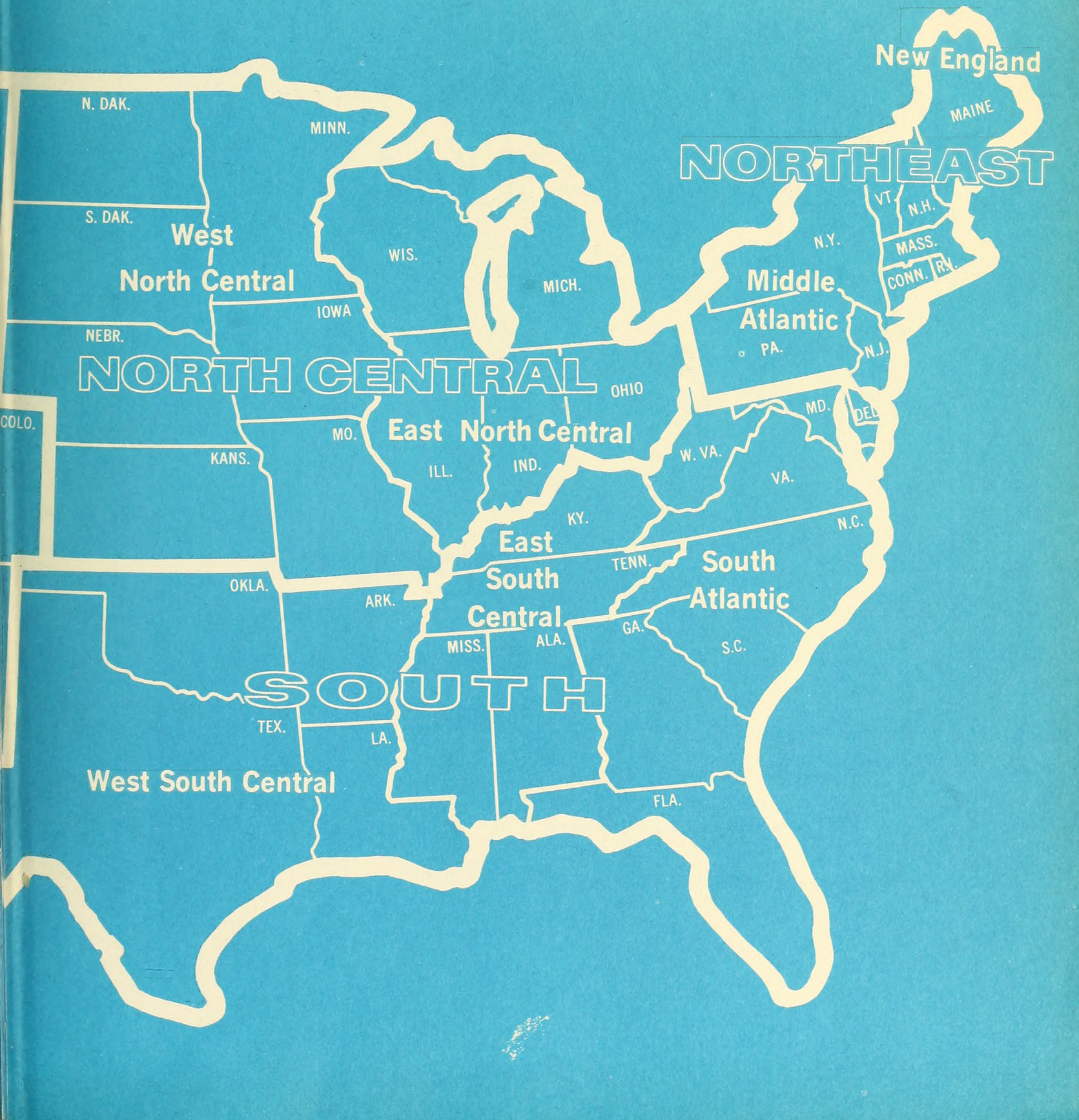
U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

CENSUS REGIONS AND GEOGRAPHIC DIVISIONS



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1967 CENSUS OF MANUFACTURES

Vol. II

INDUSTRY STATISTICS

Part 3 Major Groups 34-39 and 19

Issued January 1971

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Acknowledgments

The 1967 Census of Manufactures was conducted under the direction of **Owen C. Gretton**, Chief, and **Milton Eisen**, Assistant Chief. **Elmer S. Biles**, assisted by **John S. Berube, Clifford Bennett**, and **Kenneth I. Hansen**, was responsible for the overall management of the census and was the Industry Division's liaison officer with other Divisions.

Program responsibility along industry lines was shared by the following individuals who participated importantly in the entire census program: **Robert J. Nealon**, Foods, Textiles, and Apparel; **Cyril M. Wildes**, Chemicals and Wood Products; and **Paul F. Berard**, Metals and Metal Products. **Willis K. Jordon** was responsible for preparation of the introductory text and appendix materials. **Edward A. Robinson** made significant contributions to the basic concepts and content of the census. **Donald F. Clark** and **Carl J. Bostrom**, under the direction of **Jack L. Ogus**, developed the mathematical techniques utilized in editing the data and in sampling the respondents. **Louis J. Owen**, assisted by **William R. Gray** was responsible for the inquiries relating to fuel, electric energy, and water data. **William Cooper** had staff responsibility for industry classification and the system of classifying products and materials. **Wayne M. McCaughey** and **Angela R. Daly** also participated importantly in various phases of the project.

Professional personnel in the commodity areas of the Industry Division developed the report forms for the various industries, reviewed the tabulations, and prepared the industry texts that accompanied the data. The respective areas and the individuals in charge during the census were as follows: Foods, **Charles H. W. Sedgewick** and **Carole A. Klein**; Textiles, **Evelyn O. Denny**; Apparel, **Bennie A. Daniels**; Wood Products, **Kenneth E. McBeth**; Pulp and Paper, **Lonnie M. Conner**; Chemicals, **Reese R. Morgan**; Metals, **Malcolm E. Bernhardt**; Machinery, **John P. McNamee**; and Electrical Machinery and Transportation, **Dale W. Gordon**. The names of the supporting statisticians in the commodity areas who made significant contributions are shown in the acknowledgment statements appearing in the 80 industry reports published separately prior to their assembly into the Industry Volume.

Systems and procedures were developed in the Systems Division, **Sol Dolleck**, Chief, by **Eugene Wendt** assisted by **Samuel Schweid**. Clerical procedures were developed by **Alvin Barten, Evelyn V. Williams, Carmen Taylor, Geraldine Manuel, Carl Mueller, Thomas Lowenstein**, and **Jack Margolis**. Electronic computer programs for check-in, geographic coding, and administrative records were developed and supervised by **Charles Venters** and **Terence McDowell** under the direction of **Zigmund Decker** and **Andrew Grieco**. **James Moyers, Gene Haggy, Paul Poissant**, and **Stephan Potemkin** developed and supervised the electronic computer editing and tabulation programs under the direction of **Mary H. Johnson**. Quality control plans and procedures were developed and supervised by **Maxwell D. Jeane**, assisted by **John Powell** and **Carl Jablin**. Data input procedures were developed and supervised by **Leonard Tauber** assisted by **Paul Blackmer**. Production controls were established under the supervision of **Francis Boucher** and **James R. Pepal**.

Processing of reports was performed in the Jeffersonville Census Operations Division, **Joseph F. Arbena**, Chief, by **James S. Werking** assisted by **Margaret Rommel** and **Jordan Horne**. Clerical processing was supervised by **Charles Adams** and quality control plans and procedures were implemented and monitored under the direction of **Kathern Clay**.

Data processing and related operations were performed by the Processing Division, **M. Douglas Fahey**, Chief, assisted by **R. M. Micoly, James Shores**, and **E. R. Bourdon**.

Report planning and editorial review were provided by **Geraldine Censky** and **Frances Bresnahan** of the Administrative and Publications Services Division.

Arthur Horowitz, in his capacity as the coordinator of the economic censuses, made important contributions to the planning and operational phases of the work. **Robert Parker** contributed in the analysis of reports for the large and complex corporate organizations. **James Corbett** developed the computer systems for disclosure analysis, assisted by **Robert Reynolds**.

Special acknowledgment is due to the many businesses whose cooperation has contributed to the publication of the data.

Library of Congress Card No. 74-609524

Suggested Citation

U.S. Bureau of the Census, Census of Manufactures, 1967

Volume II, Industry Statistics, Part 3, Major Groups 34-39 and 19

U.S. Government Printing Office, Washington, D.C., 1971

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, or any Department of Commerce field office. Price $9.75

Preface

This is one of a series of volumes presenting the final results of the 1967 Census of Manufactures, which was part of the economic censuses covering that year. In addition to the manufacturing sector, the 1967 economic censuses included wholesale and retail trade, certain services, transportation, construction, commercial fishing, and mining. The censuses measured the activities of nearly 4,000,000 business establishments, including 300,000 engaged in manufacturing.

As in previous census years, the advice and counsel of trade and professional associations, individual companies, Federal and State agencies, labor unions, and research and educational organizations were most valuable in planning the content of the census reports. The Advisory Council on Federal Reports, comprised of representative businessmen, provided special assistance in determining the feasibility of collecting the various types of data. Other advisory committees which counsel the Census Bureau regularly contributed significantly in the planning and preparatory stages. Timely publicity was given by chambers of commerce, newspapers, trade periodicals, and television and radio stations.

As essential element in the Census of Manufactures was the excellent cooperation of the many thousands of manufacturing companies which completed the necessary census questionnaires.

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The chapters of this volume were published earlier as separate reports in the 1967 Census of Manufactures series MC67(2).

Data in this volume include all significant corrections uncovered after publication of the separate reports. The 1963 and other historical data include all significant corrections made since the latest publication of these figures.

Industry Chapter Descriptions

Chapters in this volume are coded to industries as classified in the Standard Industrial Classification (SIC) system. Pages are numbered with a chapter identification prefix; for example, the chapter on Weaving Mills in Major Group 22 will begin on page 22A–1. The list below shows the prefix identification for each chapter and the SIC industries included under each title. Chapters for each part of this volume are shown.

PART I

Major Group 20–FOOD AND KINDRED PRODUCTS

20A Meat Products
- 2011 Meat packing plants
- 2013 Sausages and other prepared meats
- 2015 Poultry dressing plants

20B Dairy Products
- 2021 Creamery butter
- 2022 Cheese, natural and processed
- 2023 Condensed and evaporated milk
- 2024 Ice cream and frozen desserts
- 2026 Fluid milk

20C Canned, Cured, and Frozen Foods
- 2031 Canned and curred seafoods
- 2032 Canned specialties
- 2033 Canned fruits and vegetables
- 2034 Dehydrated food products
- 2035 Pickles, sauces, and salad dressings
- 2036 Fresh or frozen packaged fish
- 2037 Frozen fruits and vegetables

20D Grain Mill Products
- 2041 Flour and other grain mill products
- 2042 Prepared feeds for animals and fowls
- 2043 Cereal preparations
- 2044 Rice milling
- 2045 Blended and prepared flour
- 2046 Wet corn milling

20E Bakery Products
- 2051 Bread, cake, and related products
- 2052 Cookies and crackers

20F Sugar and Confectionery Products
- 2061 Raw cane sugar
- 2062 Cane sugar refining
- 2063 Beet sugar
- 2071 Confectionery products
- 2072 Chocolate and cocoa products
- 2073 Chewing gum

20G Beverages
- 2082 Malt liquors
- 2083 Malt
- 2084 Wines, brandy, and brandy spirits
- 2085 Distilled liquor, except brandy
- 2086 Bottled and canned soft drinks
- 2087 Flavoring extracts and sirups, n.e.c.

20H Fats and Oils
- 2091 Cottonseed oil mills
- 2092 Soybean oil mills
- 2093 Vegetable oil mills, n.e.c.
- 2094 Animal and marine fats and oils
- 2096 Shortening and cooking oils

20I Miscellaneous Foods and Kindred Products
- 2095 Roasted Coffee
- 2097 Manufactured ice
- 2098 Macaroni and spaghetti
- 2099 Food preparations, n.e.c.

Major Group 21–TOBACCO MANUFACTURES

21A Tobacco Products
- 2111 Cigarettes
- 2121 Cigars
- 2131 Chewing and smoking tobacco
- 2141 Tobacco stemming and redrying

Major Group 22–TEXTILE MILL PRODUCTS

22A Weaving Mills
- 2211 Weaving mills, cotton
- 2221 Weaving mills, synthetics
- 2231 Weaving and finishing mills, wool
- 2241 Narrow fabric mills

22B Knitting Mills
- 2251 Women's hosiery, except socks
- 2252 Hosiery, n.e.c.
- 2253 Knit outerwear mills
- 2254 Knit underwear mills
- 2256 Knit fabric mills
- 2259 Knitting mills, n.e.c.

22C Dyeing and Finishing Textiles, Except Wool Fabrics and Knit Goods
- 2261 Finishing plants, cotton
- 2262 Finishing plants, synthetics
- 2269 Finishing plants, n.e.c.

22D Floor Covering Mills
- 2271 Woven carpets and rugs
- 2272 Tufted carpets and rugs
- 2279 Carpets and rugs, n.e.c.

22E Yarn and Thread Mills
- 2281 Yarn mills, except wool
- 2282 Throwing and winding mills
- 2283 Wool yarn mills
- 2284 Thread mills

22F Miscellaneous Textile Goods
- 2291 Felt goods, n.e.c.
- 2292 Lace goods
- 2293 Paddings and upholstery filling
- 2294 Processed textile waste
- 2295 Coated fabrics, not rubberized
- 2296 Tire cord and fabric
- 2297 Scouring and combing plants
- 2298 Cordage and twine
- 2299 Textile goods, n.e.c.

Major Group 23–APPAREL AND OTHER TEXTILE PRODUCTS

23A Men's and Boys' Apparel
- 2311 Men's and boys' suits and coats
- 2321 Men's and boys' shirts and nightwear
- 2322 Men's and boys' underwear
- 2323 Men's and boys' neckwear
- 2327 Men's and boys' separate trousers
- 2328 Men's and boys' work clothing
- 2329 Men's and boys' clothing, n.e.c.

23B Women's and Misses' Outerwear
- 2331 Women's and misses' blouses and waists
- 2335 Women's and misses' dresses
- 2337 Women's and misses' suits and coats
- 2339 Women's and misses' outerwear, n.e.c.

23C Women's and Children's Underwear, Headwear, Children's Outerwear
2341 Women's and children's underwear
2342 Corsets and allied garments
2351 Millinery
2352 Hats and caps, except millinery
2361 Children's dresses and blouses
2363 Children's coats and suits
2369 Children's outerwear, n.e.c.

23D Miscellaneous Apparel and Accessories
2371 Fur goods
2381 Fabric dress and work gloves
2384 Robes and dressing gowns
2385 Waterproof outer garments
2386 Leather and sheep-lined clothing
2387 Apparel belts
2389 Apparel and accessories, n.e.c.

23E Miscellaneous Fabricated Textile Products
2391 Curtains and draperies
2392 Housefurnishings, n.e.c.
2393 Textile bags
2394 Canvas products
2395 Pleating and stitching
2396 Automotive and apparel trimmings
2397 Schiffli machine embroideries
2399 Fabricated textile products, n.e.c.

Major G roup 24—LUMBER AND WOOD PRODUCTS

24A Logging Camps, Sawmills, and Planing Mills
2411 Logging camps and logging contractors
2421 Sawmills and planing mills, general
2426 Hardwood dimension and flooring
2429 Special product sawmills, n.e.c.

24C Millwork, Prlywood, and Prefabricated Structural Wood ucts
2431 Millwork
2432 Veneer and plywood
2433 Prefabricated wood structures

24C Wooden Containers and Miscellaneous Wood Products
2441 Nailed wooden boxes and shook
2442 Wirebound boxes and crates
2443 Veneer and plywood containers
2445 Cooperage
2491 Wood preserving
2499 Wood products, n.e.c.

PART II

Major Group 25—FURNITURE AND FIXTURES

25A Household Furniture
2511 Wood household furniture
2512 Upholstered household furniture
2514 Metal household furniture
2515 Mattresses and bedsprings
2519 Household furniture, n.e.c.

25B Office, Public Building, and Miscellaneous Furniture; Office and Store Fixtures
2521 Wood office furniture
2522 Metal office furniture
2531 Public building furniture
2541 Wood partitions and fixtures
2542 Metal partitions and fixtures
2591 Venetian blinds and shades
2599 Furniture and fixtures, n.e.c.

Major Group 26—PAPER AND ALLIED PRODUCTS

26A Pulp, Paper, and Board Mills
2611 Pulpmills
2621 Papermills, except building paper
2631 Paperboard mills
2661 Building paper and board mills

26B Converted Paper and Paperboard Products, Except Containers and Boxes
2641 Paper coating and glazing
2642 Envelopes
2643 Bags, except textile bags
2644 Wallpaper
2645 Die-cut paper and board
2646 Pressed and molded pulp goods
2647 Sanitary paper products
2649 Converted paper products, n.e.c.

26C Paperboard Containers and Boxes
2651 Folding paperboard boxes
2652 Setup paperboard boxes
2653 Corrugated and solid fiber boxes
2654 Sanitary food containers
2655 Fiber cans, drums, and related materials

Major Group 27—PRINTING AND PUBLISHING

27A Newspapers, Periodicals, Books, and Miscellaneous Publishing
2711 Newspapers
2721 Periodicals
2731 Book publishing
2732 Book Printing
2741 Miscellansous publishing

27B Commercial Printing and Manifold Business Forms
2751 Commercial printing, except lithographic
2752 Commercial printing, lithographic
2753 Cengraving and plate printing
2761 Manifold business forms

27C Greeting Cards; Bookbinding; Printing Trade Services
2771 Greeting card publishing
2782 Blankbooks and looseleaf binders
2789 Bookbinding and related work
2891 Typesetting
2793 Photoengraving
2794 Electrotyping and stereotyping

Major Group 28—CHEMICALS AND ALLIED PRODUCTS

28A Industrial Chemicals
2812 Alkalies and chlorine
2813 Industrial gases
2815 Cyclic intermediates and crudes
2816 Inorganic pigments
2818 Industrial organic chemicals, n.e.c.
2819 Industrial inorganic chemicals, n.e.c.

28B Plastics Materials, Synthetic Rubber, and Manmade Fibers
2821 Plastics materials and resins
2822 Synthetic rubber
2823 Cellulosic manmade fibers
2824 Organic fibers, noncellulosic

28C Drugs
2831 Biological products
2833 Medicinals and botanicals
2834 Pharmaceutical preparations

28D Soap, Cleaners, and Toilet Goods
2841 Soap and other detergents
2842 Polishes and sanitation goods
2843 Surface active agents
2844 Toilet preparations

28E Paints and Allied Products; Gum and Wood Chemicals
2851 Paints and allied products
2861 Gum and wood chemicals

28F Agricultural Chemicals
2871 Fertilizers
2872 Fertilizers, mixing only
2879 Agricultural chemicals, n.e.c.

28G Miscellaneous Chemical Products
2891 Adhesives and gelatin
2892 Explosives
2893 Printing ink
2895 Carbon black
2899 Chemical preparations, n.e.c.

Major Group 29—PETROLEUM AND COAL PRODUCTS

29A Petroleum and Coal Products
2911 Petroleum refining
2951 Paving mixtures and blocks
2952 Asphalt felts and coatings
2992 Lubricating oils and greases
2999 Petroleum and coal products, n.e.c.

Major Group 30—RUBBER AND PLASTICS PRODUCTS' N.E.C.

30A Rubber and Miscellaneous Plastics Products
3011 Tires and inner tubes
3021 Rubber footwear
3031 Reclaimed rubber
3069 Fabricated rubber products, n.e.c.
3079 Miscellaneous plastics products

Major Group 31—LEATHER AND LEATHER PRODUCTS

31A Tanning; Industrial Leather Goods; and Shoes
3111 Leather tanning and finishing
3121 Industrial leather belting
3131 Footwear cut stock
3141 Shoes, except rubber
3142 House slippers

31B Leather Gloves; Luggage; and Miscellaneous Leather Goods
3151 Leather gloves and mittens
3161 Luggage
3171 Women's handbags and purses
3172 Personal leather goods
3199 Leather goods, n.e.c.

Major Group 32—STONE, CLAY, AND GLASS PRODUCTS

32A Glass Products
3211 Flat glass
3221 Glass containers
3229 Pressed and blown glass, n.e.c.
3231 Products of purchased glass

32B Cement and Structural Clay Products
3241 Cement, hydraulic
3251 Brick and structural clay tile
3253 Ceramic wall and floor tile
3255 Clay refractories
3259 Structural clay products, n.e.c.

32C Pottery and Related Products
3261 Vitreous plumbing fixtures
3262 Vitreous china food utensils
3263 Fine earthenware food utensils
3264 Porcelain electrical supplies
3269 Pottery products, n.e.c.

32D Concrete, Plaster, and Cut-Stone Products
3271 Concrete block and brick
3272 Concrete products, n.e.c.
3273 Ready-mixed concrete
3274 Lime
3275 Gypsum products
3281 Cut stone and stone products

32E Abrasive, Asbestos, and Miscellaneous Nonmetallic Mineral Products
3291 Abrasive products
3292 Asbestos Products
3293 Gaskets and insulations
3295 Minerals, ground or treated
3296 Mineral wool
3297 Nonclay refractories
3299 Nonmetallic mineral products, n.e.c.

Major Group 33—PRIMARY METAL INDUSTRIES

33A Blast Furnaces, Steel Works, and Rolling and Finishing Mills
3312 Blast furnaces and steel mills
3313 Electrometallurgical products
3315 Steel wire and related products
3316 Cold finishing of steel shapes
3317 Steel pipe and tubes

33B Iron and Steel Foundries
3321 Gray iron foundries
3322 Malleable iron foundries
3323 Steel foundries

33C Smelting and Refining of Nonferrous Metals and Alloys
3331 Primary copper
3332 Primary lead
3333 Primary zinc
3334 Primary aluminum
3339 Primary nonferrous metals, n.e.c.
3341 Secondary nonferrous metals

33D Nonferrous Metal Mill and Foundry Products
3351 Copper rolling and drawing
3352 Aluminum rolling and drawing
3356 Nonferrous rolling and drawing, n.e.c.
3357 Nonferrous wiredrawing and insulating
3361 Aluminum castings
3362 Brass, bronze, and copper castings
3369 Nonferrous castings, n.e.c.

33E Forgings and Miscellaneous Primary Metal Products
3391 Iron and steel forgings
3392 Nonferrous forgings
3399 Primary metal products, n.e.c.

PART III

Major Group 34—FABRICATED METAL PRODUCTS

34A Metal Cans, Cutlery, Handtools, and General Hardware
3411 Metal Cans
3421 Cutlery
3423 Hand and edge tools, n.e.c.
3425 Handsaws and saw blades
3429 Hardware, n.e.c.

34B Heating Apparatus (Except Electric) and Plumbing Fixtures
3431 Metal sanitary ware
3432 Plumbing fittings and brass goods
3433 Heating equipment, except electric

34C Fabricated Structural Metal Products
3441 Fabricated structural steel
3442 Metal doors, sash, and trim
3443 Fabricated platework (boiler shops)
3444 Sheet metalwork
3446 Architectural metalwork
3449 Miscellaneous metalwork

34D Screw Machine Products, Fasteners and Washers; Metal Stampings; and Metal Services
3451 Screw machine products
3452 Bolts, nuts, rivets, and washers
3461 Metal stampings
3471 Plating and polishing
3479 Metal coating and allied services

34E Miscellaneous Metal Products
- 3481 Miscellaneous fabricated wire products
- 3491 Metal barrels, drums, and pails
- 3492 Safes and vaults
- 3493 Steel springs
- 3494 Valves and pipe fittings
- 3496 Collapsible tubes
- 3497 Metal foil and leaf
- 3498 Fabricated pipe and fittings
- 3499 Fabricated metal products, n.e.c.

Major Group 35—MACHINERY, EXCEPT ELECTRICAL

35A Engines and Turbines and Farm Machinery and Equipment
- 3511 Steam engines and turbines
- 3519 Internal combustion engines, n.e.c.
- 3522 Farm machinery

35B Construction, Mining, and Materials Handling Machinery and Equipment
- 3531 Construction machinery
- 3532 Mining machinery
- 3533 Oilfield machinery
- 3534 Elevators and moving stairways
- 3535 Conveyors and conveying equipment
- 3536 Hoists, cranes, and monorails
- 3537 Industrial trucks and tractors

35C Metalworking Machinery and Equipment
- 3541 Machine tools, metal-cutting types
- 3542 Machine tools, metal-forming types
- 3544 Special dies, tools, jigs, and fixtures
- 3545 Machine tool accessories
- 3548 Metalworking machinery, n.e.c.

35D Special Industry Machinery, Except Metalworking Machinery
- 3551 Food products machinery
- 3552 Textile machinery
- 3553 Woodworking machinery
- 3554 Paper industries machinery
- 3555 Printing trades machinery
- 3559 Special industry machinery, n.e.c.

35E General Industrial Machinery and Equipment
- 3561 Pumps and compressors
- 3562 Ball and roller bearings
- 3564 Blowers and fans
- 3565 Industrial patterns
- 3566 Power transmission equipment
- 3567 Industrial furnaces and ovens
- 3569 General industry machinery, n.e.c.

35F Office, Computing, and Accounting Machines
- 3572 Typewriters
- 3573 Electronic computing equipment
- 3574 Calculating and accounting machines
- 3576 Scales and balances
- 3579 Office machines, n.e.c.

35G Service Industry Machines and Machine Shops
- 3581 Automatic merchandising machines
- 3582 Commercial laundry equipment
- 3585 Refrigeration machinery
- 3586 Measuring and dispensing pumps
- 3589 Service industry machines, n.e.c.
- 3599 Miscellaneous machinery, except electrical

Major Group 36—ELECTRICAL EQUIPMENT AND SUPPLIES

36A Electrical Measurement and Distribution Equipment
- 3611 Electric measuring instruments
- 3612 Transformers
- 3613 Switchgear and switchboard apparatus
- 3621 Motors and generators
- 3622 Industrial controls
- 3623 Welding apparatus
- 3624 Carbon and graphite products
- 3629 Electrical industrial apparatus, n.e.c.

36B Household Appliances
- 3631 Household cooking equipment
- 3632 Household refrigerators and freezers
- 3633 Household laundry equipment
- 3634 Electric housewares and fans
- 3635 Household vacuum cleaners
- 3636 Sewing machines
- 3639 Household appliances, n.e.c.

36C Electric Lighting and Wiring Equipment
- 3641 Electric lamps
- 3642 Lighting fixtures
- 3643 Current-carrying wiring devices
- 3644 Noncurrent-carrying wiring devices

36D Communication Equipment, Including Radio and TV, and Electronic Components and Accessories
- 3651 Radio and TV receiving sets
- 3652 Phonograph records
- 3661 Telephone and telegraph apparatus
- 3662 Radio and TV communication equipment
- 3671 Electron tubes, receiving type
- 3672 Cathode ray picture tubes
- 3673 Electron tubes, transmitting
- 3674 Semiconductors
- 3679 Electronic components, n.e.c.

36E Miscellaneous Electrical Equipment and Supplies
- 3691 Storage batteries
- 3692 Primary batteries, dry and wet
- 3693 X-ray apparatus and tubes
- 3694 Engine electrical equipment
- 3699 Electrical equipment, n.e.c.

Major Group 37—TRANSPORTATION EQUIPMENT

37A Motor Vehicles and Equipment
- 3711 Motor vehicles
- 3712 Passenger car bodies
- 3713 Truck and bus bodies
- 3714 Motor vehicle parts and accessories
- 3715 Truck trailers

37B Aircraft and Parts
- 3721 Aircraft
- 3722 Aircrafr engines and engine parts
- 3723 Aircraft propellers and parts
- 3729 Aircraft equipment, n.e.c.

37C Ship and Boat Building, Railroad and Miscellaneous Transportation Equipment
- 3731 Ship building and repairing
- 3732 Boat building and repairing
- 3741 Locomotives and parts
- 3742 Railroad and street cars
- 3751 Motorcycles, bicycles, and parts
- 3791 Trailer coaches
- 3799 Transportation equipment, n.e.c.

Major Group 38—INSTRUMENTS AND RELATED PRODUCTS

38A Instruments; Surgical, Dental, and Ophthalmic Equipment and supplies
- 3811 Engineering and scientific instruments
- 3821 Mechanical measuring devices
- 3822 Automatic temperature controls
- 3831 Optical instruments and lenses
- 3841 Surgical and medical instruments
- 3842 Surgical appliances and supplies
- 3843 Dental equipment and supplies
- 3851 Ophthalmic goods

38B Photographic Equipment; Clocks, Watches, and Watchcases
- 3861 Photographic equipment and supplies
- 3871 Watches and clocks
- 3872 Watchcases

Major Group 39—MISCELLANEOUS MANUFACTURING INDUSTRIES

39A Jewelry, Silverware, and Plated Ware
- 3911 Jewelry, precious metal
- 3912 Jewelers' findings and materials
- 3913 Lapidary work
- 3914 Silverware and plated ware

39B Musical Instruments and Parts; Toys and Sporting Goods
- 3931 Musical instruments and parts
- 3941 Games and toys
- 3942 Dolls
- 3943 Children's vehicles, except bicycles
- 3949 Sporting and athletic goods, n.e.c.

39C Office Supplies, Costume Jewelry, and Notions
- 3951 Pens and mechanical pencils
- 3952 Lead pencils and art goods
- 3953 Marking devices
- 3955 Carbon paper and inked ribbons
- 3961 Costume jewelry
- 3962 Artificial flowers
- 3963 Buttons
- 3964 Needles, pins, and fasteners

39D Miscellaneous Manufactures
- 3991 Brooms and brushes
- 3993 Signs and advertising displays
- 3994 Morticians' goods
- 3996 Hard-surface floor coverings
- 3999 Manufactures, n.e.c.

Major Group 19—ORDNANCE AND ACCESSORIES

19A Ordnance and Accessories
- 1911 Guns, howitzers, and mortars
- 1925 Complete guided missiles
- 1929 Ammunition, except for small arms, n.e.c.
- 1931 Tanks and tank components
- 1941 Sighting and fire control equipment
- 1951 Small arms
- 1961 Small arms ammunition
- 1999 Ordnance and accessories, n.e.c.

INTRODUCTION

I. GENERAL BACKGROUND

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14. Materials
15. Value of Shipments by Multiunit Companies
16. Duplication in Cost of Materials and Value of Products
17. Value Added by Manufacture
18. Capital Expenditures
19. Plant Specialization
20. Operating Ratios
21. Subject Reports Shown in Volume I, Summary and Subject Statistics
22. Confidentiality
23. Abbreviations

I. GENERAL BACKGROUND

1. THE ECONOMIC CENSUSES

General.—The economic censuses provide a comprehensive statistical profile of a large segment of the national economy. In 1967, these censuses accounted for nearly 70 percent of the $555 billion of national income originating in the private sector. The principal industry groups not covered were finance, insurance, and real estate; agriculture and forestry; communications; and electric, gas, and sanitary services.

Uses and Users of Census Data.—The economic censuses are the primary source of facts about the structure and functioning of the economy and therefore provide information essential both for government and business. They furnish an important part of the framework for such composite measures as the national accounts. The census measures also provide weights and serve as benchmarks for current surveys of industrial activity and for indexes of industrial production, productivity, and price, all of which are essential in developing the general background for understanding particular economic situations.

There is widespread use of the economic censuses by manufacturers and distributors who need to establish measures of their potential markets in terms of areas, kinds of business, and kinds of products; and by management in various industries and trades which need facts for purposes of economic or sales forecasting, for analysis of sales performance, for the layout of sales territories, for the allocation of advertising budgets, and for the location of plants, warehouses, and stores. For these business purposes, census facts are invaluable. Likewise, trade and professional associations need census information to learn how their industry is changing; chambers of commerce need to know how their community is changing. State and local governments need to understand the business structure and changes occurring in their areas. Business magazines rely on census facts as background for many of their articles.

Following every census, reports are purchased by thousands of business and other users; likewise, census facts are widely disseminated by trade associations, business journals, and the daily press; census volumes are available in all the major public and college libraries.

History.—The first statistical survey which can be called an economic census covered the year 1809, when inquiries on manufacturing were included with the 1810 census of population. Although the results of this pioneer effort were unsatisfactory by modern standards,[1] continued interest in measurement of the Nation's economic progress led to successive improvements during the 19th century. By 1890, the statistical standards and procedures followed in conducting the censuses were of a fully professional quality.

All of the decennial censuses from 1810 through 1940, with the exception of 1830, included questions on manufacturing. Inquiries on mining first appeared in 1840, and censuses of mineral industries were conducted decennially through 1940. Although some business-related data were collected in 1840, the first census of business was taken for the year 1929. This included retail trade, wholesale trade, and construction: selected service trades were covered beginning with 1933. Dates of these and other economic censuses from 1809 are shown in table A.

Enterprise Statistics.—The coordinated collection and tabulation of comparable data for several sectors beginning with 1954 has permitted the Census Bureau to develop its enterprise statistics program, which relates census company-level data to the establishment data. Thus, a measurement of the integration and diversification of the American enterprise system becomes available. Also, through the enterprise statistics program, it has become possible to link census establishment-based data on a modified basis to other statistical systems such as the Internal Revenue Service's "Statistics of Income" for corporations.

Legal Provisions.—Title 13 of the United States Code specifies the frequency of the censuses, the kinds of activities to be covered, the obligation to report, the penalties for failure to report, and the confidentiality of returns. It also authorizes the use of sampling techniques in conducting censuses. As amended

[1] For an appraisal of early censuses of manufacturing, see Meyer H. Fishbein, *The Censuses of Manufactures 1810-1890.* National Archives Publication No. 63-22, June 1963. Government Printing Office.

TABLE A. Years Covered by U.S. Economic Censuses: 1809 to 1967

Year covered	Manufactures	Minerals	Fisheries	Construction	Retail and wholesale trade	Selected services	Transportation
1809.....	x	-	-	-	-	-	-
1819.....	x	-	-	-	-	-	-
1839.....	x	-	-	-	-	-	-
1840.....	-	x	-	-	-	-	-
1849.....	x	-	-	-	-	-	-
1850.....	-	x	-	-	-	-	-
1859.....	x	-	-	-	-	-	-
1860.....	-	x	-	-	-	-	-
1869.....	x	-	-	-	-	-	-
1870.....	-	x	-	-	-	-	-
1879.....	x	-	-	-	-	-	-
1880.....	-	x	x	-	-	-	-
1889.....	x	x	x	-	-	-	-
1899.....	x	-	-	-	-	-	-
1902.....	-	x	-	-	-	-	-
1904.....	x	-	-	-	-	-	-
1908.....	-	-	x	-	-	-	-
1909.....	x	x	-	-	-	-	-
1914.....	x	-	-	-	-	-	-
1919.....	x	x	-	-	-	-	-
1921.....	x	-	-	-	-	-	-
1923.....	x	-	-	-	-	-	-
1925.....	x	-	-	-	-	-	-
1927.....	x	-	-	-	-	-	-
1929.....	x	x	-	x	x	-	-
1931.....	x	-	-	-	-	-	-
1933.....	x	-	-	-	x	-	-
1935.....	x	x	-	x	x	x	-
1937.....	x	-	-	-	-	-	-
1939.....	x	x	-	x	x	x	-
1947.....	x	-	-	-	-	-	-
1948.....	-	-	-	-	x	x	-
1954.....	x	x	-	-	x	x	-
1958.....	x	x	-	-	x	x	-
1963.....	x	x	x	-	x	x	x
1967.....	x	x	x	x	x	x	x

in 1964, Title 13 requires the economic censuses to be taken at 5-year intervals, covering the years ending in "2" and "7." The next censuses will cover the year 1972. The pertinent portions of Title 13 are quoted in appendix E.

2. CHARACTERISTICS OF THE INDUSTRIAL SECTOR

General.—In terms of the major industry divisions established in the national accounts, manufacturing is the largest sector of the economy. In 1967, manufacturing plants employed 19 million persons, 26 percent of the civilian labor force of 74 million. Over the past 20 years, as shown in table B, national income originating in manufacturing has averaged 30 percent of the total. The next largest sector, wholesale and retail trade, declined from 19 percent in 1947 to 15 percent in 1967.

Cyclical Changes.—The need for frequent and comprehensive statistics on manufacturing derives as much from its sensitivity to cyclical influences as from its relative size. Cyclical changes in income originating in manufacturing tend to be relatively larger than in the economy as a whole.

Within manufacturing, durable goods industries accounted for about 58 percent of all manufactures during recent periods. This category tends to be more volatile than nondurable goods, generally accounting for a smaller percentage of all manufactures during periods of contraction and a larger percentage during periods of expansion. In the early thirties, for example, as shown in table C, durable goods manufacturing amounted to only about one-third of the total.

Geographic Distribution.—In the 19th century, manufacturing activity was concentrated in the Northeast. Over the past hundred and twenty years, as shown in table D, there has been a steady decline in the proportion accounted for by the Northeastern States, and a marked growth in the South and West.

TABLE B. National Income by Industry Division for Selected Years

Industry	1929	1939	1947	1954	1958	1963	1967
	Billions of dollars						
All industry divisions, total	86.8	72.6	199.0	303.1	367.8	481.9	653.3
Manufacturing	21.9	18.1	59.5	94.6	107.8	143.8	195.2
Nondurable goods	10.6	9.1	28.0	39.7	45.7	57.5	75.5
Durable goods	11.3	9.0	31.5	54.9	62.0	86.3	119.7
Wholesale and retail trade	13.5	12.6	37.6	48.3	58.2	73.3	97.5
Government and government enterprises	5.1	8.5	18.7	36.1	46.9	64.8	93.8
Services	8.8	7.6	18.1	27.8	38.4	54.1	78.5
Finance, insurance, and real estate	12.8	8.0	16.1	32.0	40.9	53.6	71.9
Contract construction	3.8	2.3	8.4	15.6	19.0	24.1	33.2
Transportation	6.6	4.6	11.6	14.6	16.6	20.0	25.2
Agriculture, forestry, and fisheries	8.5	6.0	18.9	16.4	18.0	18.6	21.6
Electric, gas, and sanitary services	1.6	1.8	2.8	5.9	7.4	10.3	12.6
Communication	1.1	1.1	2.3	5.1	7.0	9.8	13.1
Mining	2.1	1.6	4.2	5.3	5.7	6.0	6.3
Rest of the world	0.8	0.3	0.8	1.6	2.0	3.4	4.5
	Percent of total						
All industry divisions, total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Manufacturing	25.2	24.9	29.8	31.2	29.2	29.8	29.9
Nondurable goods	12.2	12.5	14.0	13.0	12.4	12.0	11.6
Durable goods	13.0	12.4	15.8	18.1	16.8	17.8	18.3
Wholesale and retail trade	15.5	17.3	18.8	15.9	15.8	15.2	14.9
Government and government enterprises	5.8	11.7	9.3	11.9	12.7	13.4	14.4
Services	10.1	10.4	9.0	9.1	10.4	11.2	12.0
Finance, insurance, and real estate	14.7	11.0	8.1	10.5	11.1	11.0	11.0
Contract construction	4.4	3.2	4.2	5.1	5.1	5.0	5.1
Transportation	7.6	6.3	5.8	4.8	4.5	4.2	3.9
Agriculture, forestry, and fisheries	9.7	8.3	9.4	5.4	4.8	3.8	3.3
Electric, gas, and sanitary services	1.8	2.4	1.4	1.9	2.0	2.1	1.9
Communication	1.2	1.4	1.1	1.6	1.9	2.0	2.0
Mining	2.4	2.2	2.1	1.7	1.5	1.2	1.0
Rest of the world	0.9	0.4	0.4	0.5	0.5	0.6	0.7

Source: Survey of Current Business, August 1965, pp. 42-45; July 1966, p. 15; and July 1970, p. 21.

Size Distribution.—While there are many small manufacturing plants, they account for a relatively small part of the total output of goods. As shown in table E, over half of the plants covered in the 1967 census had less than 10 employess but they accounted for less than 3 percent of the total value added by manufacture.

3. ROLE OF THE CENSUS OF MANUFACTURES

In the farm-oriented economy of the 19th century, industrial statistics played a relatively small role in government policy formation. A few series on physical output of commodities originated either from private sources (flour, iron, and steel, etc.) or as a byproduct of tax collection or other government functions (liquors, beer, tobacco products, etc.). Other than these, the only sources of information on the manufacturing sector were the censuses of manufactures, then taken at 10-year intervals. Today, the need for industrial statistics has greatly increased, and the user finds a vast array of detailed information covering virtually every measurable aspect of industrial activity including employment, payrolls, hours worked, production, prices, inventories, orders, investment in structures, machinery, and equipment, and consumption of raw materials, fuels, and water. Many of these statistics are available at frequent intervals and on a timely basis. Sophisticated indicators of economic progress have also been developed such as price and production indexes, gross national product, and national income, published at monthly or quarterly intervals.

In this setting, the census of manufactures still plays an essential role since no other source provides such comprehensive and detailed information on the structure of the industrial sector. In effect, the census obtains, for every manufacturing plant with one employee or more, data on its input of labor, materials, and capital, its output of products and services, its location, and the legal form of organization of the owning firm.[2] These facts are obtained in sufficient detail to permit classification by industry, by size of plant, by homogeneity of output and, where desirable, by type of operation, extent of vertical integration, kind of equipment, relationship to other plants of the same firm, and other characteristics.

[2] For 1967, some of this information for 120,000 small companies was not obtained directly but estimated from administrative records. See the discussion of coverage of establishments in sections 4 and 6 below.

TABLE C. Total National Income and Amounts Originating in Durable and Nondurable Manufactures for Selected Years

(Dollar values in billions)

Year	National income	National income originating in manufacturing			Manufacturing as a percent of national income	Durable goods industries as a percent of total manufacturing
		Total	Nondurable goods industries	Durable goods industries		
1967	653.6	195.2	75.5	119.7	30	61
1966	620.6	191.5	72.9	118.5	31	62
1965	564.3	172.6	66.5	106.1	31	61
1964	518.1	155.6	61.9	93.6	30	60
1963	481.9	143.8	57.5	86.3	30	60
1962	457.7	137.0	55.6	81.4	30	59
1961	427.3	125.1	52.8	72.3	29	58
1960	414.5	125.8	52.2	73.6	30	59
1959	400.0	124.0	51.1	72.9	31	59
1958	367.8	107.7	45.7	62.0	29	58
1957	366.1	116.3	46.4	69.9	32	60
1956	350.8	113.1	46.2	66.8	32	59
1955	331.0	107.9	44.0	63.8	33	59
1954	303.1	94.6	39.7	54.9	31	58
1953	304.7	100.4	40.3	60.1	33	60
1952	291.4	92.5	38.2	54.3	32	59
1951	278.0	90.2	38.4	51.8	32	57
1950	241.1	76.2	33.3	42.9	32	56
1949	217.5	64.8	30.5	34.2	30	53
1948	224.2	68.7	32.9	35.8	31	52
1947	199.0	59.5	28.0	31.5	30	53
1943	170.3	58.3	19.6	38.6	34	66
1939	72.6	18.1	9.1	9.0	25	50
1935	57.2	13.4	7.3	6.1	23	46
1933	40.3	7.7	4.9	2.8	19	36
1932	42.8	7.3	5.2	2.1	17	29
1929	86.8	21.9	10.6	11.3	25	52

Source: Survey of Current Business, August 1965, pp. 42-45; July 1966, p. 15; July 1968, p. 23; and August 1970, p. 21.

General statistics (that is, total employment, payroll, production-worker employment, man-hours, wages, cost of materials, value of shipments, inventories, capital expenditures, and value added by manufacture) from the census of manufactures are published by industry, by area, by employment size of establishment, by degree of product specialization within plant, and by type of ownership. Information is supplied on the detailed industrial characteristics of each State and large standard metropolitan statistical area (SMSA); and overall measures of manufacturing activity are shown at the county and individual city level down to cities of 10,000 or more population. The compilation entitled "Location of Manufacturing Plants" shows, for each of the 3,100 counties in the United States, the number of manufacturing plants, by size, for each of 420 industries. Information such as this constitutes a periodic inventory of the Nation's manufacturing economy that provides a benchmark for measuring the changes in its structure.

The census of manufactures also provides benchmarks from which more frequent surveys can be developed on a sample basis. In fact, the present legislation specifying that censuses be conducted every 5 years authorizes an Annual Survey of Manufactures (ASM) on a sample basis during the intervening years. After each 5-year census, a new sample is drawn utilizing the characteristics recorded for each company in the census. The sample, constituting about one-fifth of the establishments but with complete coverage of all large ones, provides an annual updating of the census of manufactures in terms of broad measures of economic activity. It provides the same basic measures of economic activity of the plant such as employment, payrolls, value of shipments, value added by manufacture, as does the census of manufactures, but contains less detailed information on products, materials consumption, and equipment.[3]

The census of manufactures not only is a benchmark for many of the surveys conducted by the Census Bureau itself on a more frequent basis but also is the means of updating other indicators of economic activity. It provides very important information on the manufacturing segment used in the national income accounts. Census data on materials consumed and product output are basic to the manufactures sector of the input-output studies of the Office of Business Economics. The information derived from the census of manufactures is also used to develop indexes of industrial production for census years. These indexes are used as benchmarks for the monthly Federal Reserve Board Index of Industrial Production—a key indicator of

[3]Since the ASM is based on a sample, the cross-classifications by industry and by area are fewer than in the census of manufactures. At the U.S. level, statistics are published in the annual survey for practically all of the 420 industries. However, at the State and SMSA levels, statistics are published only for 3-digit and 2-digit industry groupings, respectively. At the county level, information is published for about 10 percent of the 3,100 counties. These 300-odd counties are the larger ones in terms of manufacturing activity and account for about 80 percent of total manufacturing employment. No information is published at the city level.

TABLE D. Employment in Manufacturing Establishments, by Region: 1849 to 1967

Year	United States	Northeast	North Central	South	West
	Number of employees (thousands)				
1967.....	18,492	5,573	6,059	4,553	2,305
1963.....	16,235	5,190	5,239	3,780	2,025
1958.....	15,423	5,242	5,017	3,382	1,779
1947.....	14,294	5,429	5,109	2,710	1,054
1939.....	9,527	3,879	3,184	1,852	612
1929.....	10,198	4,246	3,516	1,758	675
1899.....	5,077	2,629	1,474	793	181
1849.....	957	696	110	146	4
	Percent of U.S. total				
1967.....	100	30	33	25	12
1963.....	100	32	32	23	13
1958.....	100	34	33	22	12
1947.....	100	38	36	19	7
1939.....	100	41	34	20	6
1929.....	100	42	35	17	7
1899.....	100	52	29	16	4
1849.....	100	73	12	15	-

Source: Census of Manufactures.

Note: Detail may not add to totals because of independent rounding. 1849 data include hand and neighborhood industries, which were excluded from the censuses of manufactures beginning with 1899.

TABLE E. Cumulative Percentage of Number of Manufacturing Establishments and Value Added by Manufacture, by Size Class of Establishment: 1967

Size class	Number of establishments	Value added by manufacture
1 to 4 employees.....	38.4	1.1
1 to 9 employees.....	51.3	2.3
1 to 19 employees.....	64.9	5.1
1 to 49 employees.....	80.9	12.1
1 to 99 employees.....	89.0	20.0
1 to 249 employees.....	95.5	34.9
1 to 499 employees.....	98.0	48.7
1 to 999 employees.....	99.2	62.0
1 to 2,499 employees.....	99.7	77.0
All establishments, total...	100.0	100.0

current economic activity. The census and ASM also provide benchmarks for hundreds of monthly and quarterly surveys of commodity output conducted by the Census Bureau, other government agencies, and by manufacturers' associations.

4. INDUSTRY AND PRODUCT CLASSIFICATION

Structure of the Standard Industrial Classification.—The basic classification system employed in the economic censuses is the Standard Industrial Classification (SIC). The SIC was developed for use in the classification of establishments by type of activity in which engaged. It covers the entire field of economic activities, subdivided as follows:

Industrial division	Title	Major groups
A	Agriculture, forestry, and fisheries	01-09
B	Mining	10-14
C	Contract construction	15-17
D	Manufacturing	19-39
E	Transportation, communication, electric, gas, and sanitary services	40-49
F	Wholesale and retail trade	50-59
G	Finance, insurance, and real estate	60-67
H	Services	70-89
I	Government	91-94
J	Nonclassifiable establishments	99

Below the major group level, the SIC provides for 3-digit groups and finally for 4-digit industries. To illustrate—

Division D.—Manufacturing

Major Group 20 ..... Food and kindred products
Industry group 202 ..... Dairy products
Industry 2023 ..... Condensed and evaporated milk

The SIC is the responsibility of an intragovernmental technical committee headed by the Office of Management and Budget (formerly Bureau of the Budget). The system is used by all Federal Government agencies engaged in the classification of establishments. To facilitate comparison with Federal statistics and the filing of reports, many state and local governments and business concerns organize their own records along SIC lines.

The first SIC manual was issued in 1939. For the manufacturing sector, the nucleus of the manual was the census of manufactures industry classifications developed over a period of many years.[4]

Structure of the SIC Manufacturing Division.—For the manufacturing division, the 21 2-digit SIC Major Groups (19 to 39) are subdivided into 149 3-digit SIC Groups (191 to 399) and into 422 4-digit industries (1911 to 3999). While the SIC contains 422 industries, the Bureau of the Census has combined two small industries with others for a total of 420 industries.

Most of the 422 manufacturing industries are defined in terms of a specific group of related products. Usually, the products are made of similar materials and by similar processes, and are competitive. In determining the boundaries of product-

[4] For the manufacturing industries, a revised manual was issued in 1945 which, with minor modifications, was used in the 1947 census of manufactures. For the 1954 census, the classification structure used in 1947 was again employed, again with minor modifications. In 1957, the SIC system was extensively revised for manufacturing industries and historical comparability of some data was seriously affected. This revision and its effects on census series are described in the introduction and appendixes to the 1958 census volumes. Minor revisions of the SIC between 1958 and 1967 introduced some 4-digit industry changes but none of them crossed 3-digit group lines. Another extensive revision of the SIC, now under way, is scheduled to be effective with 1972.

defined industries,[5] it is essential that each industry comprise a group of establishments whose output of products defining the industry (primary products) accounts for a relatively high proportion of the total shipments of the industry as well as of the total shipments of these primary products by establishments in all manufacturing industries. Some industries are defined in terms of the processes or equipment used regardless of the final product of the establishment. A small number of industries are basically defined by material used as well as final product of the plant.

There are wide differences among industries in the extent to which the establishments classified in the industry (a) account for the total production of commodities "primary" to the industry, (b) produce products or services "belonging" to other industries (that is, secondary products), and (c) use similar materials or processes. While these variations are frequently construed to be shortcomings, the fact is that the limitations observed in the classification structure arise from the inherent complexity of our economic system and from the disparity in the methods of production among the individual producing units of which it is comprised. The data collected in the census of manufactures provide a statistical basis for a critical evaluation of the classification system; that is, for assessing the boundaries between industries, the growth and decline of industries, and the impact of technological change on the classification of industries.[6]

No general-purpose system of industrial classification can hope to satisfy all users of census data. Some business users will be interested primarily in data relating only to themselves and to their competitors in the production of a narrow range of products; others will wish data relating to all products, including complementary and substitutable products, competing in a particular market; others may wish data relating to the consumers of one or more types of materials. Some may be interested only in the data for plants producing a specific product; others only for those plants producing a "full line" of products. The large number of SIC industries provides the analyst with the "building blocks" for obtaining useful approximations, if not "clean" data, relevant to many of these problems. But, at best, a single general-purpose system of classification can only partially satisfy these diverse needs; a point is soon reached beyond which the adaptation of a system to serve one use somewhat better will reduce its ability, often disproportionately, to serve an alternative use.

Accordingly, users of data frequently regroup detailed SIC industries into broad groupings along lines different from those in the SIC 2- and 3-digit categories. The Federal Reserve Board for many years has made combinations to stress such criteria as durable, nondurable, consumers, producers, finished, intermediate goods, etc. Other public and private agencies also recombine the detailed classes. By and large, the 4-digit industries are susceptible to allocation to such categories, while the 2-digit SIC groups are not.

Subindustries.—To increase the usefulness or improve the editing of the data, the Census Bureau frequently has further classified the basic 4-digit SIC industries into "subindustries." This device is employed where there are wide disparities in the operating ratios of the plants in the industry because of differences among plants in the degree of vertical integration, technology, methods of distribution, geographic location, types of materials used, etc. This technique was used for about 65 manufacturing industries for editing purposes and many were regarded as significant enough to be used for publication: For example, the bakery industry (SIC 2051) is subdivided into wholesale bakeries, chain-store bakeries, home-service bakeries, and retail multi-outlet bakeries and many apparel industries (Group 23) are subclassified into manufacturers, contractors, and jobbers.

To provide a further measurement of variations within 4-digit industries, the Bureau also subclassifies establishments by the degree to which they produce the primary products or specific classes of primary products of the 4-digit industry. This is in effect a subindustry classification based on degree of product specialization which is published in table 8 of the industry chapters.

Definition of Manufacturing.—As defined in the SIC, manufacturing is the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfer to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. However, some manufacturers (for example, baking, milk bottling, etc.) sell chiefly at retail to household consumers through the mail, through house-to-house routes, or through salesmen. Some activities of a service nature (enameling, binding, platemaking, etc.) are included in manufacturing when they are performed primarily for trade; but they are considered nonmanufacturing when they are performed primarily to the order of the household consumer. On the other hand, some manufacturing industries include business firms which perform only the entrepreneurial functions of buying the materials and designing and marketing the product, but have the actual production done on contract (for example, apparel jobbers).

Auxiliary Units.—In addition to the production of goods and manufacturing services, manufacturing plants engage in related and diverse supporting activities. These activities encompass the acquisition of materials to be processed, their movement into the manufacturing facility, their storage at the manufacturing site, the operation and maintenance of plant and equipment, the design of flow of work through the production process, and necessary arrangements for shipment of output to customers. Also included are a host of subsidiary activities associated with the operation of the establishment as a manufacturing entity (for example, management and policy formation, product and market orientation, engineering and quality control, recordkeeping and accounting, physical security of plant and equipment, and the like). Such subsidiary activities may be performed by personnel located at the manufacturing facility or at an auxiliary unit serving one or more manufacturing locations of the same company. Where these activities are carried on at a different physical location or are performed for more than one plant, they are excluded from the figures for operating manufacturing establishments and are included in the data shown for central administrative offices and auxiliaries. (See the description of the questionnaire used for these establishments, Form NC-X6, in section 7, below.)

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[5] Frequently, business analysts and other data users look at a group of products from more than one point of view. For example, modern high-speed computers are classified as office machines. This describes the purpose of the product. In a physical sense, however, such computers would be described as electronic devices. Similarly, paper bags, wooden boxes, glass bottles, tin cans, and steel barrels may all be classified as containers or they may be individually grouped with other products of similar materials such as converted paper products, wood products, glass products, etc.

[6] See *Industry Classification and Sector Measures of Industrial Production* by James W. McKie, Bureau of the Census Working Paper No. 20, 1965, and *Historical Comparability of Census of Manufactures Industries, 1929-1958* by Harold T. Goldstein, Bureau of the Census Working Paper No. 9, 1959.

Marginal Activities.—The following types of activities, while having some of the characteristics usually found in manufacturing, are considered as nonmanufacturing and, therefore, are excluded from the census:

(a) Processing on farms when the raw materials are grown on the farm and the manufacturing activities (poultry dressing, milk and butter production, logging) are on a small scale without extensive use of paid labor. Also custom milling, cotton ginning, egg hatching, and similar activities closely associated with agriculture are excluded.

(b) Mineral preparation such as the crushing, screening, and concentrating of ores. However, mining performed as a secondary activity in conjunction with manufacturing is included in the census unless a separate report for the mining activity was filed; for example, stone and clay mining at cement, lime, and clay products plants.

(c) Custom work to the individual order of household consumers. Examples are custom tailoring, woodworking, lettering on monuments, setting of diamonds, and the making of orthopedic appliances.

(d) Repair and other service activities, except specified services performed "for the trade." Repair shops of railroads are also excluded.

(e) Production of coke for own use by establishments owned by public utility companies.

In the 1967 census, no attempt was made to measure the extent of manufacturing at locations which are not primarily manufacturing plants, such as retail establishments which sell most of their products on the premises directly to household consumers (retail bakeries,[7] ice cream stores, etc.), or manufacturing by construction contractors at the site (for example, production of paving mixtures).

Conversely, it is not unusual for manufacturing establishments to engage also in nonmanufacturing activities such as repair work, merchandising of products without further processing, and installation work. Ordinarily, these nonmanufacturing receipts are small in relation to the manufacturing activities and, therefore, it is not difficult to determine that the establishments should be included in the manufactures area. However, if the nonmanufacturing activities account for a significant proportion of total receipts of an establishment, the classification of that establishment into the appropriate major economic sector is more difficult.

In the 1967 economic censuses, an establishment engaged in a combination of manufacturing and merchandising was assigned either to the manufacturing or the trade industries depending on which of these activities was estimated to account for the larger share of its "value added" or "income produced." This criterion, even though based on approximation, was considered preferable to reported dollar volume of receipts from each type of activity in determining the primary industry, since manufacturing requires considerably more man-hours, salaries and wages, and capital inputs per dollar of receipts than either wholesaling or retailing. However, in classifying establishments engaged in manufacturing and also in mining, repair work, installation, construction, or other nonmanufacturing services, dollar receipts were used as the basis of classification because these activities require substantially comparable input per dollar of receipts.

Establishment Basis of Reporting.—The SIC is an establishment classification system, and the census of manufactures is conducted on an establishment basis. That is, a company operating establishments at more than one location is required to submit a report for each location; also, a company engaged in distinctly different lines of activity at one location is required to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

The requirement that distinct lines of activity at the same location be separately reported was selectively applied where the establishment produced and shipped significant amounts of products classified in different SIC industries. In widely varying degrees, this product overlap exists in many manufacturing establishments. Generally, the amounts involved are not significant enough to warrant the filing of separate reports, even if feasible. However, there are a number of locations at which large numbers of employees are engaged in each of two or more distinct lines of manufacturing as defined in the SIC. Frequently, companies organize their operations and their records separately where diverse activities are large (for example, with more than 100 employees in each line of activity) and choose to report them as separate plants. When they do not do so on their own initiative, the Census Bureau requests separate reports. For the most part, companies have responded favorably, particularly for very large operations where failure to "split out" the different activities would significantly distort the relationship of the industry and product statistics. Not infrequently, though, the two groups of products were made on the same production lines by many of the same employees and could not be distinguished sufficiently in company records to provide establishment-type reporting.

SIC industry defintions take account of special situations where otherwise separately classifiable activities are frequently combined at one location. For example, in the lumber area the definition of industry 2421, Sawmills and Planing Mills, General, recognizes the situation that sawmills may include logging operations. Similarly, in the pulp and paper area, pulpmills operated in combination with papermills are included in one report.

Coverage of Establishments.—The censuses of manufactures for 1947 to date have included establishments with one employee or more. In the 1967 census, for the first time, reports were not obtained directly from all such establishments. Approximately 120,000 small manufacturing firms[8] were excused from filing reports; under special arrangements which safeguarded the confidentiality of both tax and census records, limited data on payrolls, sales, and industry classification from the administrative records of the Social Security Administration (SSA) and the Internal Revenue Service (IRS) were made available to the Census Bureau for use in the 1967 economic censuses. Estimates for data other than payrolls and sales for these small establishments were constructed from historical industry ratios. The effect on industry aggregates is slight in most industries; for manufacturing as a whole, they account for only 1.2 percent of the value added. Detailed product and materials data for these small establishments were not estimated; the entire value of product shipments and cost of materials was imputed to a "not specified by kind" category.

In the censuses of 1921 through 1939, establishments with less than $5,000 value of products were excluded. For 1899 to 1919, the limit was $500. The change in the minimum size limit to an employment basis in 1947 did not appreciably affect the overall comparability of earlier census figures, except for the number of establishments.[9]

[7] Separate data for retail bakeries with baking on the premises were included in the retail census publications, however.

[8] The characteristics of these firms are discussed below in section 15.

[9] This point is discussed at greater length in the Introduction to the 1947 volumes.

A sample survey of manufacturing plants with no paid employees was conducted in conjunction with the 1958 census. While there were nearly 52,000 establishments in this category in that year, they accounted for only about one-quarter of 1 percent of the total value of shipments of all manufacturing industries. The proportion was higher for certain industry groups such as lumber and wood products and printing and publishing.

As indicated above, report forms were not mailed to 120,000 very small establishments. These establishments were assigned the industry classifications to which they had been coded in the 1963 Census of Manufactures, or if they had begun in business after 1963, on the basis of brief descriptions of the general activity of the establishment as reported to the Social Security Administration. Where the description is incomplete or there are relatively fine lines of demarcation between industries or between manufacturing and nonmanufacturing activity, the code assigned to an establishment could differ from that which would have been assigned on the basis of more complete product information. Therefore, the total establishment count should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 or more employees are far more reliable than the total number of establishments.

Primary and Secondary Products.—As applied in the economic censuses, the SIC coding system operates in such a way that the definitions become progressively narrower with successive additions of numerical digits. At one extreme are the 21 very broad 2-digit groups and at the other about 10,500 individual 7-digit products. In between are approximately 150 3-digit groups, 420 4-digit industries, and 1,200 5-digit product classes. The 7-digit products and 5-digit product classes are considered the primary products of the industry with the same first four digits as the product code. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. The industry code assigned to the establishment is derived from a summation of values for 7-digit product codes to their 4-digit industry and the selection of the largest such value as the establishment's industry classification. However as mentioned earlier, the industry classification of an establishment may be determined not only by the products it makes but also by the processes employed or materials used in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to this extent. Therefore, the general statistics (employment, payrolls, inventories, value added by manufacture, total value of shipments, capital expenditures, etc.) shown for an industry (tables 1 to 4 of the industry chapters in Volume II) reflect not only the primary activities of the establishments in that industry but also their activities of a secondary nature. The product statistics in table 6 of the industry chapters represent the total output of specific products whether they are produced by establishments classified in the same industry as the product or not. For this reason, in relating the industry statistics in the industry chapters, especially the industry total value of shipments (tables 1 to 4), to the product statistics (table 6), the composition of the industry's output as shown in tables 5A and 5B should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the two ratios which are computed from tables 5A and 5B. The first of the ratios, called the primary product specialization ratio, describes the proportion of product shipments (both primary and secondary) of the industry represented by primary products. The second, defined as the coverage ratio, is the proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

Degrees of Integration.—In many industries, establishments making products falling into the same industry category use a wide variety of processes and materials to produce them. Also, within the same industry classification based on end products, may be included those establishments which are vertically integrated and those which put only the finishing touches on an already highly fabricated purchased item. For example, in the refrigeration industry, there are instances of almost complete process integration in which the production of the compressor and condensing unit, electric motor, and even the castings for those intermediate products, as well as the stamping of the case and the final assembly, are all carried on at one plant. In other plants, the condensing unit, the motor, and the case may be purchased and merely assembled into the finished product.

In some instances, nonintegrated plants have been placed in separate industry categories from the integrated plants. In many industries, the census provides separate statistics on departmental operations or on the production of intermediate commodities made and used in the producing plant. When an industry includes plants which ship a significant proportion of their output to other plants of the same company, separate figures are usually shown on the interplant transfers.

These differences in the integration of production processes, types of operations, and types of materials used should be taken into account when relating the general items (employment, payrolls, value added, etc.) to the product and materials data. For those industries where the integrated type of operations is of consequence, that fact is pointed out in the explanatory text for the industry.

Industry Code Resistance.—The production of many establishments is so evenly divided among two or more industry-determining product groups that the predominant groups (which can represent less than half of the total value if there are three or more groups) changes from year to year. In the ASM, these plants are prevented from shifting back and forth among industries due to minor shifts in product mix, by the application of a "resistance formula" in assigning industry classifications.

A resistance formula of the ASM type was first used in the 1963 Census of Manufactures and again applied in the 1967 census. In the 1967 census, the formula was applied only to establishments included in the 1966 ASM sample panel with certainty (that is, included with a probability of "1"). In general, certainty cases included all establishments of companies with at least one manufacturing plant with 100 employees or more (250 employees or more in the apparel manufacturing and printing and publishing industries). The formula gives approximately equal weight to the need for maintaining continuity in the establishment composition of an industry, thus improving the measurement of change, and the need for reflecting the industry's exact status at a point in time.

In the 1967 census, the industry classification of a certainty case was allowed to change from that assigned in 1966 under one of the following conditions:

(1) The value of the 1967 primary products constituted 60 percent or more of its total value of product shipments, or

(2) The value of the 1967 primary products, while less than 60 percent, was at least twice the value of the 1966 primary products in 1967, or

TABLE F. Value Added by Manufacture, by Regions, Divisions, and States: 1967

Region, division, and State	Value added by manufacture, 1967	Percent of U.S. total
United States, total...	261,983.8	100.0
Northeast Region.....	76,233.8	29.1
New England Division.....	18,972.1	7.2
Maine.....	1,069.5	.4
New Hampshire.....	931.9	.4
Vermont.....	515.0	.2
Massachusetts.....	8,715.0	3.3
Rhode Island.....	1,350.9	.5
Connecticut.....	6,389.8	2.4
Middle Atlantic Division...	57,261.7	21.9
New York.....	25,246.7	9.7
New Jersey.....	12,738.2	4.9
Pennsylvania.....	19,276.8	7.4
North Central Region.....	91,788.1	35.1
East North Central Division	75,015.6	28.6
Ohio.....	20,435.4	7.8
Indiana.....	10,308.0	3.9
Illinois.....	20,016.5	7.6
Michigan.....	17,241.6	6.6
Wisconsin.....	7,014.1	2.7
West North Central Division	16,772.5	6.4
Minnesota.....	4,080.2	1.6
Iowa.....	3,250.9	1.2
Missouri.....	5,895.0	2.3
North Dakota.....	112.8	-
South Dakota.....	171.3	.1
Nebraska.....	1,150.0	.4
Kansas.....	2,112.4	.8
South Region.....	59,647.3	22.8
South Atlantic Division....	29,312.8	11.2
Delaware.....	958.4	.4
Maryland.....	3,781.3	1.4
District of Columbia.....	332.8	.1
South Region--Con.		
South Atlantic Div.--Con.		
Virginia.....	4,067.7	1.6
West Virginia.....	2,169.5	.8
North Carolina.....	6,606.5	2.5
South Carolina.....	3,030.3	1.2
Georgia.....	4,683.6	1.8
Florida.....	3,682.7	1.4
East South Central Division	13,717.9	5.2
Kentucky.....	3,636.0	1.4
Tennessee.....	4,921.1	1.9
Alabama.....	3,525.5	1.4
Mississippi.....	1,635.3	.6
West South Central Division	16,616.6	6.3
Arkansas.....	1,557.7	.6
Louisiana.....	2,790.3	1.1
Oklahoma.....	1,346.2	.5
Texas.....	10,922.4	4.2
West Region.....	34,196.8	13.1
Mountain Division.....	4,521.9	1.7
Montana.....	311.6	.1
Idaho.....	503.4	.2
Wyoming.....	86.2	-
Colorado.....	1,509.2	.6
New Mexico.....	204.5	.1
Arizona.....	995.3	.4
Utah.....	777.9	.3
Nevada.....	133.8	.1
Pacific Division.....	29,674.9	11.3
Washington.....	3,764.2	1.4
Oregon.....	2,060.5	.8
California.....	23,393.6	8.9
Alaska.....	130.4	.1
Hawaii.....	326.2	.1

(3) The value of 1967 primary products, while not meeting either of the two prior conditions, exceeded the value of the 1966 primary industry's products in both 1967 and 1966 by at least 20 percent.

The Classification of Products and Materials.—In census industrial statistics, a commodity classification system based on the SIC is employed. The code numbers used in this system relate the commodity to the industry in which it is produced. For example, the 7-digit product code number 2023212 refers to canned evaporated milk. The first five digits of this code number, 20232, refer to the "product class" canned milk, and the first four digits, 2023, refer to the industry in which these products are made (the condensed and evaporated milk industry). The system is also applied to the coding of materials insofar as the first four digits are concerned; for example, the code number 013205 refers to whole milk used as a materials, and the first four digits of this code number, 0132, refer to the agricultural industry, dairy farms, where this product originates.

This SIC-based system is simpler than other systems for the coding of industrial products and materials used, since there is a direct numerical relationship between commodities and industries. Complications occur in the few SIC industries defined in terms of processes or equipment used as well as products made. As an example, women's sweaters are produced in knitting mills (industry 2253) and also in cut-and-sew shops (industry 2339). To retain the industry-of-origin concept, therefore, it is necessary to assign different product code numbers to women's sweaters, depending on where they are made.

The SIC-based commodity classification is used in the Census Bureau's entire industrial statistics program, including monthly, quarterly, and annual surveys, and also in the census of wholesale trade. The Bureau also publishes data on imports and exports in terms of SIC-based categories as well as the traditional Schedule B and TSUSA systems.[10]

5. GEOGRAPHIC CLASSIFICATION

Census Divisions and Regions.—In order to present census data at a level intermediate between the U.S. total and those for the

[10]Schedule B is the U.S. export classification while TSUSA is applied to imports.

TABLE G. The 50 Largest SMSA's Ranked by Value Added by Manufacture: 1967 and 1963

Standard metropolitan statistical area	Number of employees (thousands)	Value added by manufacture	1967 rank	1963 rank	Standard metropolitan statistical area	Number of employees (thousands)	Value added by manufacture	1967 rank	1963 rank
New York, N.Y.	1,147.4	13,803.5	1	1	Indianapolis, Ind.	134.7	1,855.6	26	25
Chicago, Ill.	983.1	13,755.3	2	2	Dallas, Tex.	148.9	1,810.8	27	28
Los Angeles-Long Beach, Calif.	855.4	12.088.2	3	3	Gary-Hammond-East Chicago, Ind.	105.0	1,806.6	28	20
Detroit, Mich.	584.5	8,498.1	4	4	Atlanta, Ga.	117.2	1,604.0	29	30
Philadelphia, Pa.-N.J.	573.8	7.958.8	5	5	Jersey City, N.J.	107.2	1,584.9	30	24
Cleveland, Ohio	306.8	4,297.0	6	6	Greensboro-Winston-Salem-High Point, N.C.	110.9	1,567.0	31	-
St. Louis, Mo.-Ill.	295.5	4,158.9	7	7	Providence-Pawtucket-Warwick, R.I.	138.0	1,533.9	32	32
Boston, Mass.	316.2	4.155.5	8	9	Hartford, Conn.	110.6	1,432.3	33	35
Newark, N.J.	263.7	4,071.1	9	8	Akron, Ohio	101.1	1,400.8	34	33
Pittsburgh, Pa.	299.6	3,838.1	10	10	Youngstown-Warren, Ohio	82.9	1,260.5	35	38
San Francisco-Oakland, Calif.	197.8	3,160.1	11	11	Toledo, Ohio-Mich.	77.7	1,200.8	36	37
Milwaukee, Wis.	216.5	2,982.5	12	13	Fort Worth, Tex.	78.4	1,200.7	37	-
Rochester, N.Y.	145.7	2,914.9	13	19	Beaumont-Port Arthur-Orange, Tex.	33.2	1,166.4	38	-
Houston, Tex.	138.1	2,873.0	14	18	Columbus, Ohio	83.0	1,162.2	39	34
Baltimore, Md.	209.7	2,858.8	15	12	Bridgeport, Conn.	79.5	1,150.0	40	41
Minneapolis-St. Paul, Minn.	203.7	2,819.4	16	17	Denver, Colo.	74.1	1,121.5	41	36
Cincinnati, Ohio-Ky.-Ind.	166.8	2,704.1	17	15	Portland, Oreg.-Wash.	79.8	1,115.4	42	44
Buffalo, N.Y.	176.2	2.653.5	18	14	Allentown-Bethlehem-Easton, Pa.-N.J.	102.6	1,093.2	43	40
Paterson-Clifton-Passaic, N.J.	190.0	2,506.6	19	16	Grand Rapids, Mich.	75.7	1,091.4	44	42
Louisville, Ky.-Ind.	110.0	2,082.5	20	22	Springfield-Chicopee-Holyoke, Mass.-Conn.	73.3	947.7	45	47
Kansas City, Mo.-Kans.	129.4	2,070.7	21	23	Syracuse, N.Y.	68.2	941.1	46	43
Seattle-Everett, Wash.	162.2	2,038.5	22	21	Birmingham, Ala.	68.0	906.5	47	39
Anaheim-Santa Ana-Garden Grove, Calif.	125.8	1,963.8	23	27	Canton, Ohio	62.5	896.6	48	48
Dayton, Ohio	126.2	1,908.4	24	26	Albany-Schenectady-Troy, N.Y.	65.3	892.5	49	46
San Jose, Calif.	120.3	1,907.5	25	29	New Orleans, La.	55.5	860.1	50	50

Note: The Flint, Mich., SMSA falls within the top 50 SMSA's, but is excluded from this table to avoid disclosing figures for individual companies.

individual 50 States and the District of Columbia, the Census Bureau has used regional groupings for over a century. Since the 1909 Census of Manufactures, the present nine geographic divisions have been used. Beginning with the 1939 census, the nine divisions were also classified into four geographic regions: Northeast, South, North Central, and West.

Not only are these groupings convenient for the summary presentation of census data below the U.S. level, but they are also essential to presenting a maximum of geographic information where the individual State data cannot be shown without disclosing figures for individual companies. (See section 22, "Confidentiality".) The relative importance of manufacturing among the regions, divisions, and States is shown in table F.

Standard Metropolitan Statistical Areas.—In addition to the data for the legally constituted geographic units (States, counties, and cities), all manufacturing totals are shown for approximately 230 standard metropolitan statistical areas (SMSA).[11] In the 1967 tables, detail for 2-, 3-, and 4-digit industries is shown for any SMSA when it would not disclose data for individual companies and the industry had at least 250 manufacturing employees. Prior to 1967, detail had not been shown for SMSA's with under 40,000 total manufacturing employment and only industry group figures were shown for SMSA's with 40,000 to 190,000 employees.

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas for general-purpose use in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining standard metropolitan statistical areas, but on a city and town basis, because towns are regarded as the significant unit in this region of the country.

[11] See appendix F for a description of each SMSA.

The requirement that each SMSA consist of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

Industrial Counties.—In addition to industry statistics for standard metropolitan statistical areas, table 7 of each State report, presents data by county for each industry group (2- and 3-digit) that had at least 450 manufacturing employees where it would not result in disclosure of figures reported by individual companies.

Cities with 450 Manufacturing Employees or More.—Summary totals and industry detail at the 2-digit level are shown for individual cities with 450 manufacturing employees or more, provided the data do not disclose information for individual companies.

Value added by manufacture in all SMSA's accounted for 76 percent of the U.S. total in 1967. The relative importance of the 50 largest SMSA's is shown in table G.

II. METHODS

6. PLANNING AND PREPARATION

General.—The Census Bureau has an obligation to meet public needs for timely and reliable information while holding costs and the burden on respondents to a minimum. During the planning stages of the 1967 economic censuses, the advice of trade and professional associations, Federal and State government agencies, individual companies, labor unions, and research and educational organizations was solicited in an effort to reach both the users of data and the respondents who supply the basic figures. Simultaneously, studies of the problems encountered in the 1963 censuses were undertaken, and proposals to improve the methods of collection, processing, and tabulation were explored.

A Major Processing Innovation.—Beginning with the 1954 economic censuses, the basic mailing lists have been obtained from Internal Revenue Service (IRS) and Social Security Administration (SSA) records.[12] These records were also sampled to develop statistics for retail and service establishments with no employees. After the 1963 censuses, it was decided to investigate the feasibility of making greater use of the data in the IRS-SSA records. This effort led, in the 1967 censuses, to the exemption of over 2,000,000 firms from the filing requirement, including 120,000 small manufacturers. Instead, census-type statistics for this group were developed from IRS-SSA records. Well in advance of the data collection phase of the censuses, plans for using these records for small employers were developed in close cooperation with those agencies. Specific procedures for this use and for assuring confidential treatment of individual tax returns were set forth in Executive Order No. 10911, dated January 17, 1961, and Treasury Decision No. 6547 of the same date. The basic records used were business income tax returns (IRS forms 1040C, 1065, 1120, and 1120S) and payroll tax returns (IRS form 941). The information obtained from these reports was the name and address, payrolls, and gross business receipts. In addition, an SIC industrial activity code was assigned by use of the permanent SSA records which indicate the industry or kind of business of each employer. Other census statistics for these small firms were imputed, using industry average ratios to payrolls and sales.[13]

Planning the Content of Questionnaires.—As in previous censuses, the content of the 1967 questionnaires was developed in consultation with a large number of organizations and individuals, representing both the manufacturers who supply the basic data and those who use the resulting statistics. Those consulted included government agencies, individual firms, labor unions, the American Statistical Association, the American Economic Association, the American Marketing Association, the National Association of Manufacturers, and all national manufacturers' associations covering specific industries.

A special effort was made to obtain the advice of individual manufacturers and their trade associations as to the content of the sections of the report forms dealing with the output of specific products. Drafts of the proposed 1967 product sections were circulated among 800 trade associations and about 4,000 manufacturing companies, both large and small. These inquiries followed the pattern of the 1963 census inquiries, with the introduction of new product detail reflecting suggestions received by the Census Bureau after the 1963 canvass. Small items (those valued at $5 million or less) were not retained in the list unless they were needed to simplify the classification of other products or were of strategic importance. The manufacturers and others consulted in this clearance procedure were requested to comment particularly as to whether the proposed detail was readily reportable from business records, and whether it represented the most appropriate set of items for the industry. A restriction was placed on proposals for additional detail; it was stipulated that the 1967 value of any new product category should exceed $15 million.

The thousands of comments and suggestions received in this clearance procedure were analyzed by the census staff. Finally, a detailed account of the review procedure and the decisions reached was forwarded to the Office of Statistical Standards, Bureau of the Budget, along with the Census Bureau's recommendations for the content of the product sections.

The final review of the content was performed by the Office of Statistical Standards with the assistance of the Advisory Council on Federal Reports. The latter organization is a group of business executives representing a cross section of industries and various professions within companies such as controllers, economists, and market research directors.

[12] The 1947 Census of Manufactures list was also obtained from the SSA.

[13] As discussed elsewhere in this introduction, the amount of imputation introduced by this procedure was only about 1 percent of the overall totals.

7. REPORTING FORMS

A representative selection of the reporting forms used in the 1967 census is reproduced in appendix D. The uses of each of them are discussed below.

General Forms.—This group of forms was used in the economic censuses generally, either as companywide reports or as reports for establishments whose classification was not known precisely in advance of mailing.

NC-X1A, Report of Company Organization.—This companywide report and its companion form NC-X1B were used in the precanvass of multiunit companies conducted in 1967. A more detailed account of their use is given in section 8, "The Mailing Lists."

NC-X3, General Schedule.—This questionnaire was designed to obtain information from small companies for which the industry code available in the SSA records was not precise enough to indicate which one of the standard census questionnaires should be mailed. The information provided on form NC-X3 was used to classify these companies by industry and tabulate their data in the appropriate census.[14]

NC-X6, Central Administrative Offices or Auxiliary Establishments.—Many multiunit companies maintain separate establishments to provide centralized administrative, management, or other supporting services for other establishments of the same company, but not for the general public or other companies. These establishments were asked to complete form NC-X6. The form contained questions on approximate employment for such functions as centralized administration, research and development, warehousing, and other auxiliary activities, and on the cost of research and development work performed by these nonmanufacturing establishments.

Annual Survey of Manufactures Forms.

MA-100.—This form is the establishment report used in the ASM since 1949 (with modifications). As mentioned above, this form was used in 1967 as the first sheet of the census of manufactures report for the establishments included in the ASM sample. The establishment's 1966 data were imprinted on the report form before mailing, thus aiding the respondent in following the instructions for the census. Item 9, "Quantity and value of products shipped and other receipts," on form MA-100 corresponds to item 18 on the census form MC-36B and its companion forms, the difference being that item 18 called for more detailed information on product shipments.

MA-101, Expenditures for Plant and Equipment for Manufacturing Establishments Under Construction.—This form was designed to obtain data on capital expenditures by large manufacturing firms for new plants not yet in operation at the end of the year. It was mailed to all multiunit companies with 250 employees or more. It was also mailed to any other company which indicated on one of its establishment report forms, in a special check-box section, that it had a plant under construction but not yet in operation. Each such plant was coded geographically and to a 4-digit industry from the description given of its expected activity. The information obtained on form MA-101 was included in the capital expenditures figures in the 1967 census tabulations. (For further discussion, see section 18, "Capital Expenditures.")

[14] The use of Form NC—X3 is also discussed in section 8, "The Mailing Lists."

Other Related Forms.—Form CB-51J-1, "Manufacturers Sales Branches and Sales Offices," which is reproduced in appendix D, is typical of the several forms used for these establishments in the census of business. The forms differed only in the kinds of products sold as listed in item 12. In item 5, line b provided verification of the classification of the establishment as a sales branch or sales office. If the line-b percentage indicated that more than half of the goods sold were not manufactured by the parent company, the establishment was reclassified into one of the merchant wholesaler categories.

NC-K1, Company Summary Report.—Each multiunit company with 250 employees or more received a form NC-K1, Company Summary Report, along with the appropriate questionnaires for its establishments. The NC-K1 requested consolidated company totals for key data items, such as receipts, new capital expenditures, inventories, and fixed assets. In addition, each company was asked to distribute the 1967 employment reported on its establishment questionnaires by its IRS-SSA employer identification numbers (EI numbers) and to compare these totals to the figures reported on its Treasury Form 941 tax returns. This comparision provided assurance that all domestic establishments of each large multiunit firm and its subsidiaries would be included in the censuses. Form NC-K1 served this operational purpose and also provided essential data for the enterprise statistics program described above in section 1.

Census of Manufactures Forms.—The questionnaire reproduced in the appendix, form MC-36B, is typical of the 180 forms used for operating manufacturing establishments. Each of these forms was designed to be used for a specific group of industries. For establishments included in the Annual Survey of Manufactures sample, form MA-100 was substituted for the front sheet of form MC-36B and its companion forms, since the content was virtually the same and it was desired to maintain continuity of reporting in the ASM. Whether or not form MA-100 was used, the inquiries on the 180 forms were identical except for the detailed questions on products shipped, materials used, and miscellaneous topics such as operations performed, equipment used, and delivery of products.

MC-171, Department of Defense Establishments, and MC-D4, Penal Institutions.—These forms were used to collect information on government-owned and government-operated manufacturing establishments. They were used for two types of establishments: (1) Manufacturing facilities owned and operated by the Department of Defense, and (2) prison industries (Federal, District of Columbia, and State). The data were prepared with the cooperation of the Department of Defense, the Department of Justice, and the District of Columbia and State prison systems. For Department of Defense installations, information was provided on employment, man-hours, payrolls, cost, and value of work done, by industry group and by State. For prison industries, however, only product data was requested. The data are presented in a special report included in Volume I and are not included in the totals for operating manufacturing establishments.

8. THE MAILING LISTS

General.—As discussed in section 6 above, the basic lists for 1967 were obtained from IRS-SSA records, supplemented importantly by the inclusion of the ASM list of 60,000 establishments. Since the IRS-SSA lists consist essentially of the names and addresses of companies rather than establishments,[15] however, it was

[15] The SSA records for multiunit companies identify "reporting units," which in many instances correspond to census establishments. The differences are such, however, that it was found necessary to obtain up-to-date lists of establishments as described in this section. Also, the Census Bureau concept of a company differs from the IRS—SSA definition, since the Census company includes all establishments under common ownership or control; in the IRS—SSA records, subsidiary corporations are often treated as independent companies.

necessary to follow separate procedures for multiunit companies (those operating at more than one location).

The Precanvass.—Multiunit companies were required to file at least one establishment report[16] covering each location. In order to select the appropriate questionnaires, it was necessary to determine in advance the nature of operations at each location. Beginning early in 1967, therefore, a "Report of Company Organization" (form NC-X1A)[17] was obtained from firms known to be multiunits from previous census records. All multiunit firms included in the ASM reported on form NC-X1A. A shorter questionnaire, form NC-X1B,[17] was also sent to other firms which were regarded as possible multiunits, including all manufacturers with 500 employees or more who were not on the NC-X1A list.

Both of these forms consisted essentially of a report on company affiliation and a list of the domestic establishments operated by the company. Before the forms were mailed, the company's establishments as identified in census records were prelisted. In the instructions for form NC-X1A, the respondents were asked to make any necessary corrections to this list. In addition, they were asked to supply descriptions of any new establishments not already listed, including their approximate size.

Approximately 700 large multiunit companies were segregated for special handling in the precanvass because problems involving overlap and duplication were anticipated. Many of these companies were active in retail and wholesale trade as well as in manufacturing. The instructions for the precanvass were reviewed with these firms in personal discussions with officials of their accounting departments, in order to make certain that the procedure was understood and the establishments properly described on form NC-X1A.

Initial Control File.—This file, consisting of about 7 million names and addresses of companies, was assembled from IRS-SSA records and other sources including the 1963 economic census records. For manufacturing, the ASM records were incorporated in the file.

Single-Unit Companies.—The mailing lists for single-unit companies (those operating at only one location) were developed from the initial control file by removing out-of-scope companies (those whose activities were not to be surveyed in the economic censuses) and those identified as multiunits in the precanvass. A special survey of out-of-scope companies with more than 50 employees in selected industries was conducted to doublecheck their eligibility, and some names were added to the mailing list as a result.

The final step was to set aside the records of the small companies for which census-type statistics were to be developed from administrative records. The remaining records constituted the mailing lists for single-unit companies.

General Schedule.—While the lists assembled in these ways were generally adequate in providing sufficient industry information to determine the proper form for mailing, a number of the records did not have precise industry information associated with them. Form NC-X3, "General Schedule," which is reproduced in appendix D, was mailed to all such companies. Since it was assumed that these companies were quite small, only a few key figures were requested. On the basis of the information reported, these reports were coded and included in the basic tabulations. If form NC-X3 indicated that the company was actually large, it was later requested to file one or more of the appropriate standard questionnaires.

9. GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required in order to tabulate the census data by SMSA's, counties, and cities. As in previous censuses, the post office address and ZIP code of the establishment were not always accepted as defining the physical location, but respondents were required to describe the actual location in terms of street address, city, town or village, county, and State. For establishments located in rural territory, the name or number of the nearest highway was requested and the distance from the nearest town or other urban place.

In censuses prior to 1963, clerks assigned geographic code numbers to each establishment based on the description furnished by the respondent. This process was slow and required careful verification. Beginning with 1963, a computerized system was developed which assigned an area code number and a prefix symbol to the mailing address before the questionnaires were mailed. The prefix symbol indicated whether or not the mailing address was clearly acceptable as describing the physical location. If there was any question about its acceptability, the respondent's description was later carefully reviewed after the questionnaire was received. The assignment of tentative code numbers by the computer was based on extensive reference files containing nearly a million business names and addresses.

The geographic coding system used in the 1967 economic censuses was based on the 1963 system with some improvements and revisions. The major changes included expanding the address reference file, and use of the ZIP code as part of the procedure for matching addresses against the reference file.

10. DATA COLLECTION

General.—Although the greater use of administrative records in 1967 substantially reduced the number of companies canvassed directly, there remained nearly 2 million which were required to file, including about 175,000 manufacturers. The assembly of several hundred different questionnaires into mailing packages, correctly labeled and coded, combined with the correct instruction booklets, was an extensive operation.

Instructions.—Several general instruction booklets were prepared to assist respondents in completing questionnaires for the 1967 economic censuses. In addition, separate detailed instruction manuals were printed for establishments in a few kinds of business and in certain mineral industries with peculiar reporting problems, as well as for manufacturing establishments reporting on the detailed standard forms.

Timing.—The bulk of the 1967 questionnaires were mailed in mid-February 1968 with a due date of April 30, about 2 months later than the corresponding due date for the 1963 censuses. Adoption of the April 30 due date, which had been urged by accountants, was based on the assumption that reports would be filed more promptly if their preparation followed that of Federal income tax returns, which were due April 15, and that the "lost" 2 months would be gained back. This turned out not to be the case. The collection phase was not completed until early November 1968, about 2 months behind the 1963 record.

[16] If two or more distinct lines of activity were carried on at one location, separate reports were obtained under some circumstances. (For a complete discussion, see "Establishment Basis of Reporting" in section 4, above.)

[17] This form is reproduced in appendix D.

Followup.—Companies which did not return their questionnaires by the due date had to be reminded that their returns were overdue. A reminder card was used for the first followup, and form letters used in the five subsequent mailings. Two basic letter formats were used, one for multiunit companies that had returned questionnaires for some but not all establishments, and the other for companies that had not responded at all.

The last followup letter was mailed in October 1968. Estimates based on data from administrative records were included in the census tabulations for the relatively small number which had not responded by the closeout date in November 1968. Thus, all companies and establishments included in the original mailing list (except those determined to be inactive during 1967) were represented in the final statistical results, either by actual returns or by proxy returns generated from administrative records. A special effort was made to obtain actual returns from all large firms, so that the volume of business represented by proxy returns was relatively very small.

11. DATA PROCESSING

General.—The editing,[18] coding, and tabulation of data for the 5 million establishments represented in the 1967 economic censuses was a complicated task requiring extensive advance planning and careful coordination among the Census Bureau's organization subdivisions. Automatic data processing and other advanced techniques were used in all phases to a considerable extent.

Facilities.—In the mail collection phase, the questionnaires were returned by respondents to the Census office at Jeffersonville, Ind., where most noncomputer (that is, clerical) processing operations were performed. The Jeffersonville functions consisted mainly of preliminary screening of questionnaires, carrying on routine correspondence with respondents, punching cards, and transmitting the punched data to Washington on a high speed transmission system. The Washington staff handled computer operations, and all operations in connection with the use of IRS and SSA records.

Preliminary Screening.—After checking in against control lists and assigning geographic codes, the questionnaires were reviewed clerically to see that they conformed to certain minimum requirements before further processing. In the case of multiunit companies, the sum of employment and payrolls reported on its establishment questionnaires was compared with the control totals reported on form NC-K1, "Company Summary Report." Questionnaires received from ostensibly single-unit firms were reviewed to ascertain whether they had become multiunits through merger or acquisition. All questionnaires were reviewed to see that the entries were legible and punchable, and that entries appeared for a number of key items. For manufacturing establishment returns, the key items were payrolls and value of shipments. Questions arising in the screening operation were resolved by writing or telephoning the respondents. Complex problems involving multiunit companies were either handled by a special task force of experienced analysts in Jeffersonville or were referred to the Washington office.

Computer Editing.—All of the establishment records from the 1967 censuses of manufactures and mineral industries underwent computerized processes of screening and detailed testing of data. While most of these programs were newly devised in 1967, they were largely based on similar programs in use during the 1963 censuses. As in 1963, average values and tolerance limits for key operating ratios (for example, cost of materials per dollar of shipments, payroll per employee, production-worker wages per man-hour, etc.) played a fundamental role in the editing process. However, more extensive testing and more sophisticated routines for adjusting data which failed the tests were incorporated into the 1967 programs. The need for computer editing may be judged by the fact that more than half of all 4-digit SIC industries had one or more data cells changed by more than 5 percent as a result of application of these programs.

In sequence, the computer programs used included a Housekeeping and Screening Edit, a Coverage Control and Matching Edit, a Magnitude Edit, a General Statistics Edit, an Intercard Intercolumn Edit, a Product and Materials Edit, a Duplicate Removal Program, and various programs of referral and of aggregate testing. These programs are described in outline form below. Also included within this sequence were programs of geographic coding and of industry coding, which are described elsewhere in this introduction.

The Housekeeping and Screening Edit was designed to inspect each record for the presence of basic information such as identification numbers, geographic codes, and source codes (that is, ASM, census of manufactures, or census of minerals). This program also included some simple data adjustments, such as the replacement of a missing total by a corresponding sum of detail.

The Coverage Control and Matching Edits were a system of programs which checked the consistency of clerically assigned coverage codes with reported information on the ownership status of the establishment. For ASM establishments, the program included matching with the 1966 ASM record file to identify corresponding prior-year records. In the 1967 Census of Manufactures, nearly 339,000 establishments were initially defined as being within the scope of manufacturing. Of this number, approximately 26,000 were identified as having no activity during 1967. Of the remainder, more than 11,000 were rejected from the combined output of the Housekeeping and Screening Edit and from the Coverage Control and Matching Edit. This latter number was clerically reviewed, corrected where necessary, and recycled back into the computer.

The Magnitude Edit was designed to test the size of two key items, payrolls and value of shipments. For ASM establishments, these items were compared with the corresponding entries for 1966, and were accepted if satisfactory. If not accepted, the ASM records were channeled through the standard edit, which compared payrolls to a historical employment-size code. Payroll figures passing the test were then used, in conjunction with cost of materials, in testing the value of shipments.

When failures in the magnitude tests were encountered, a fixed sequence of attempts to adjust the data were performed, which included dividing a reported figure by 1,000 (a common error was the reporting of values in dollars rather than in thousands of dollars as requested), or replacing a total by a sum of detail where these differed. If the corrective procedures of the Magnitude Edit were unsuccessful, the schedule was rejected for clerical inspection, correction where necessary, and recycling. This occurred for about 18,000 establishments.

The General Statistics Edit tested key operating ratios and adjusted the record or flagged it for later attention if it failed the test. Fifty-two such ratios were assigned for use in testing census of manufactures records, and 41 1966-67 ratios of change were used in testing the ASM reports. The tolerance limits and average values for these 93 ratios were based on the limits used for the corresponding tests in the 1963 census, with some correction and updating based on more recent ASM information.

[18] In data processing, the term "editing" means the review of information collected on questionnaires or from other sources, with the objective of locating and correcting erroneous entries.

In the presence of ratio failures, the computer program was designed to determine the component of the ratio which was most likely to have caused the failure. This was done by a process of inspecting other ratios containing each of the suspect components, and by computing an overall weighted-reliability index for each. The component with the lowest reliability index was judged to be incorrect. The computer then attempted to adjust the questionable figure by a process of "rounding" (multiplying or dividing by successive powers of 10), substitution of a total by a sum of detail, or by imputation based on one of the several ratios in which the suspect component was contained. After each such attempted adjustment, the new figure was accepted if it resulted in an improved reliability index.

In addition to testing and correction of reported information, the General Statistics Edit was the vehicle for the imputation of data for the 120,000 companies designated as administrative-record cases, as well as data for companies which failed to report in the mail canvass. Imputation for all reasons, failure to report as well as administrative records, accounted overall for about 3 percent of the total value of shipments. Records were not rejected and removed from the computer tapes in the General Statistics Edit, but were flagged and printed out for review by an analyst whenever the computer made a large adjustment, found a large year-to-year change, or could not make an acceptable adjustment after test failure. Excluding administrative records, about 40,000 such cases were printed out for review and possible correction.

The Intercard Intercolumn Edit was designed to test specific relationships among products, materials, and special inquiries. The record was flagged for inspection if the test failed; some 64,000 records were printed out for review from this edit.

The Product and Materials Edits were performed after the data on products and materials had been extracted from the basic establishment records, and assembled in product (or material) sequence. The edits were designed to inspect the reported quantities of production and of consumption after the corresponding values were tested and found acceptable. Unit values, in terms of dollar value per unit of quantity, were computed and ranked from highest to lowest. The most extreme values were removed, and the truncated data were used in the formulation of parameters (average deviation, central value, and upper and lower tolerance limits) which were printed out for review by analysts. This routine differs from those in other edits in that the parameters for editing were developed from the data at hand rather than from historic data or predetermined reasonableness limits.

The Duplicate Removal program was designed to identify and eliminate duplicate establishment records from the census. The sources of duplication were many; imputed records which were followed by the late receipts of a report from the respondent was typical. The program resulted in the elimination of nearly 6,000 duplicate establishment records from the census file.

As in the 1963 census, this preliminary round of computer editing and professional correction was followed by a more detailed review of establishment records. Among the devices used at this stage were an "outlier" program which printed out establishment reports of dubious quality in terms of their internal consistency. The outlier program used some of the same ratios as the General Statistics Edit, but with parameters updated to reflect the characteristics of 1967, rather than earlier, data. Records with one or more suspicious ratios were printed out for review. In addition, aggregates of records at the industry and the geographic cell level were inspected with ratio tolerance limits adjusted to reflect the number of establishments contributing to the cell.

12. COVERAGE AND ACCURACY

Since the list of companies obtained from IRS and SSA records was considered to be complete, no field coverage check was conducted. The precanvass and other special procedures for multiunit companies described in section 8, "The Mailing Lists," and section 10, "Data Collection," were designed to secure complete lists of establishments, thereby amplifying the IRS-SSA company list. Control totals in terms of employment and payrolls of multiunit companies were also used to verify the completeness of establishment coverage. This procedure is discussed in section 11, "Data Processing."

Comparison of statistics tabulated from the census of manufactures with the Census Bureau's Current Industrial Reports series, or with data originating with other agencies was possible in many instances, thus providing a further confirmation of completeness and accuracy. These figures range from employment and wage totals compiled by the Bureau of Labor Statistics to detailed commodity output figures published by the Internal Revenue Service, the Fish and Wildlife Service, and the Department of Agriculture. In the industry reports in Volume II, differences between the census of manufactures and other statistics are explained wherever possible. Census of manufactures comparability with broad measures such as national income, new capital expenditures, and production indexes are discussed elsewhere in this introduction. The Census Bureau's other procedures designed to improve the accuracy of the census data are discussed above in the sections on data collection and processing. Comments on the valuation of intracompany shipments by multiunit companies are included in section 15.

III. COMMENTS ON STATISTICAL MEASURES AND TABLES

(Explanations and definitions of the various measures of activity for which statistics are compiled in the census of manufactures are presented in appendix A. In the following sections, the limitations and other characteristics of some of these measures are discussed, the content of the statistical tables is described, and comparisons with other statistical series are presented.)

13. EMPLOYMENT AND PAYROLLS IN ADMINISTRATIVE OFFICES AND AUXILIARY ESTABLISHMENTS

In the industry chapters of Volume II, the data on employment and payrolls refer to operating manufacturing establishments and are so described. In the summary tables, the employment and payrolls of central administrative offices and auxiliary establishments are also included. However, whereas the operating establishments were coded to a 4-digit manufacturing industry, the administrative offices and auxiliaries were coded only to the 2-digit industry group of the establishments they served. In most of the tables with industry detail, the administrative offices and auxiliaries are shown as a separate industry group, but statistics for them by 2-digit industry appear in each volume in the General Summary tables. The relative importance of administrative offices and auxiliaries has increased substantially in recent years, because of a tendency to centralize functions formerly

performed in manufacturing plants. Such functions include accounting (particularly where computerized), warehousing, repair services, and miscellaneous others. As indicated in table H, this tendency was quite marked between 1954 and 1963, but there was less relative increase between 1963 and 1967.

TABLE H. Employment in Central Administrative Offices and Auxiliaries and in Operating Manufacturing Plants: 1967 and Earlier Census Years

Census year	Employees in operating manufacturing establishments		Employees in central administrative offices and auxiliaries		
	Thousands of employees	Percent change from previous Census year	Thousands of employees	Percent change from previous Census year	Percent of total employment[1]
1967.....	18,492	+14.0	830	+14.3	4.3
1963.....	16,235	+5.3	726	+20.6	4.3
1958.....	15,423	-1.4	602	[2]+32.9	3.8
1954.....	15,645	(NA)	453	(NA)	2.8

Source: Census of Manufactures.

Standard notes: (NA) Not available.

[1]The total includes manufacturing establishments, central administrative offices, and auxiliaries.

[2]The apparent increase from 1954 to 1958 is believed to be somewhat overstated, because coverage of administrative offices and auxiliaries was more complete in the 1958 census.

14. MATERIALS

In addition to the total cost of materials which every establishment was requested to report, quantity and cost information was collected for approximately a thousand specific materials.[19] About 360 of these were "complete coverage" materials; i.e., every industry that consumed appreciable quantities of the material was canvassed so that the data would represent at least 90 percent of manufacturing consumption. For the remaining materials, information on consumption was obtained on a more limited basis, generally only in those industries in which the materials were important inputs. Detailed consumption information was collected in the standard materials inquiry, in the product inquiries (for items which were produced and consumed in the same plant), or in a few instances in special inquiries. The resulting statistics are presented mainly in tables 6A and 7A of the industry chapters, Volume II.

Because American industry uses an enormous variety of materials, the choice of materials for which "complete coverage" consumption data (90 percent or higher) were obtained had to be strictly limited. The selection of a particular material for such coverage was based on the following criteria:

(1) The importance of the material as measured by the total value of U.S. consumption of the material;

(2) The percentage of total consumption accounted for by manufacturing establishments;

(3) The availability of consumption information from manufacturers' records; and

(4) In certain instances, other factors such as the strategic importance of the material or the availability of historical data on the use of the material.

The materials included on a limited-coverage basis were chosen not only because they constituted important inputs for particular industries but frequently because they provided information necessary to classify plants by SIC industry. In using the detailed data on materials consumed which appear in table 7A in the industry chapters of Volume II, the following limitations should be noted:

(1) Materials were reported for the establishment as a whole and no attempt was made to ascertain how much of the material was used in each of various products. Thus, the industry totals appearing in table 7A represent consumption in secondary products as well as primary products of the industry represented. The extent of secondary production is measured by the specialization and coverage ratios shown in table 5A of the industry chapters.

(2) Attention should be paid to the codes ending in "000" and captioned "materials, parts, containers, and supplies, not specified by kind." The amounts appearing on these lines represent imputed totals for establishments whose statistics were developed by use of administrative records, and totals for other establishments which failed to report their consumption in specific terms. Thus, for most industries, the specific categories are understated. A judgment on the statistical significance of the understatement for each industry may be made on the basis of the relationship of the value shown for the "not specified by kind" (code 000) line compared with the total of materials, components, parts, containers, and supplies for the industry.

(3) Establishments consuming less than a specified amount of material were not requested to report consumption of the material separately. For the majority of individual materials, the minimum amount was $5,000. The use of this cutoff is not believed to have had a significant effect on the totals.

15. VALUE OF SHIPMENTS BY MULTIUNIT COMPANIES

General.—Except for a few industries as indicated in appendix A, the respondents were instructed to report net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Multiunit companies were instructed to report for each establishment as if it were a separate economic unit and, in particular, to report interplant transfers at their full economic value, including not only the cost of production but also a reasonable proportion of company overhead and profits. Since there is no advertising or other selling cost involved, it would be expected that the value per unit of such transfers would be less than that for commercial sales. The plant receiving the transferred goods was instructed to include them in its cost of materials, valued as at the shipping point plus the cost of freight and other handling charges.

In the case of goods transferred to sales branches, or sold through separate sales offices, the implication of the "f.o.b. plant" instruction is that the value is at a somewhat lower level than the final invoice value, because the cost of selling (mainly the cost of operating the sales branch or office) is excluded.

[19]See 1967 Censuses of Manufactures and Mineral Industries, *List of Materials Consumption Items,* MC67-6, for a more detailed account of the collection of data on materials consumed.

In practice, there is reason to believe that these instructions were not followed by all companies. In a recordkeeping practices study of 54 multiunit companies conducted a few years ago, it was found that about half of them had reported interplant transfers of semifinished products at commercial or market prices, which tend to be somewhat higher than the "cost plus overhead and profit" requested in the census instructions. In the case of finished products transferred to separate selling organizations, half of the companies interviewed valued the products at their final or invoice price, which again would be somewhat higher than the "f.o.b. plant" transfer value requested. It appears from this study and other observations that the value of shipments of products reported by multiunit companies tends to be overstated. For products characterized by a substantial amount of interplant shipments, separate quantity and value figures were requested on the census forms. Data on these shipments, the unit value of which is less accurate than the unit value for shipments outside the company, are presented separately in table 6A in the industry chapters of Volume II.

Individual Products.—In the 1967 census program, information was collected on the output of approximately 10,500 individual product items.[20] The term "product" as used in the census of manufactures represents the finest level of detail for which output information was requested. Consequently, it is not necessarily synonymous with the term product as used in the marketing sense. In some cases it may be much more detailed and in other cases it is more aggregative. For example, pharmaceutical preparations were reported in terms of 160 products, while canned meats was a single product. Frequently, large aggregative values at the product level indicated that detailed production figures were available from other government sources or reliable private surveys.

Some 5,500 of the product items were listed separately on the 1967 census report forms. Data for the remaining 5,000 products were obtained in the monthly, quarterly, or annual commodity surveys comprising the Current Industrial Reports series of the Census Bureau. Totals for the year 1967 for these items as derived from the commodity surveys are shown in the "product shipped" table (table 6) in the industry chapters of Volume II together with the tieline total value collected in the census for reconciliation.

Typically, both quantity and value of shipments information was collected. However, if there was no meaningful physical quantity measure that could be reported by manufacturers, only value of shipments was collected. For products which are used to a large degree within the same establishment as materials or components in the fabrication of other products, total quantities produced and often the quantities consumed within the plant were collected. Typically, the information on production was also collected for products for which there are significant differences between total production and shipments in a given year because of wide fluctuations in finished goods inventories. Alternate measures of output of products, such as value of work done for products with long production cycles, were used as appropriate and feasible.

Classes of Products.—For the purpose of summarizing the product information, the separate products were aggregated into classes of products which were, in turn, grouped into all primary products of each industry. The code structure used is a 7-digit number for the individual product, a 5-digit code for the class of product, and a 4-digit code for the total primary products in an industry (see section 4 for application of coding structure to the assignment of SIC codes for establishments).

[20]See 1967 Census of Manufactures, MC67-1, *Numerical List of Manufactured Products,* and MC67-2, *Alphabetic List of Manufactured Products.*

The 10,500 product items in the 1967 census (including products from the Current Industrial Reports program) were grouped into approximately 1,200 separate classes. Products were grouped into product classes to bring out significant differences in the broad types of products within a 4-digit industry. General similarity of the kind or purpose of the products or of the manufacturing processes, type of markets, or of materials used, were the basis for product combinations. The economic significance of the class was also taken into account; residual products of an industry were grouped when the products were not sufficiently significant in dollar value to warrant separate classes.

As a result of the increased number of respondents included in the product-class shipments totals, these categories lend themselves to many more cross tabulations than do the 7-digit products, without disclosing information about the operations of individual companies. In the industry chapters of Volume II, table 6B provides information on the value of shipments of product classes by State; and table 5B, by industry of the establishment producing them. The latter table is the best vehicle for showing the primary and secondary product mix of an industry, as well as the interrelationship between the 4-digit industry value of shipments and the 4-digit product group value of shipments. In table 8, the product class is used to provide finer industry-type general statistics by classifying establishments within an industry according to the degree to which they specialize in producing a specific class of products.

The class-of-product concept was incorporated by the Census Bureau into its own program with the 1947 Census of Manufactures after it developed the technique in the compilation of World War II production statistics. Product classes formed the basis of collecting product information in the annual survey of manufactures when that survey was initiated in 1949. The classes have been revised over the succeeding years to improve the balance and significance of product combinations within each industry and to keep abreast of the growth and decline of products.

Effect of Use of Administrative Records on Product Data.—As noted elsewhere in this introduction, 1967 census statistics for about 120,000 small manufacturers were developed by use of IRS and SSA records. Since the SSA records were coded only to the 4-digit SIC level, it was not considered feasible to estimate the product output of these small companies in terms of specific 5-digit product classes or 7-digit products. The total value of output was therefore coded to the 4-digit level and published separately in table 6A of the industry chapters of Volume II. In table I, page 18, these data have been summarized together with other undistributed 4-digit totals reported by the larger companies. It will be seen from table I that the contribution of the small companies to product totals was of little importance except in lumber, furniture, and printing and publishing (groups 24, 25, and 27). The large companies which for various reasons reported only in terms of group totals were of somewhat more importance, accounting overall for about 3 percent of the total value of product shipments.

Nominally, the shipments of "small companies" as shown in table I represent the output of all establishments with less than 10 employees. Actually, less than half of the value of shipments of establishments with less than 10 employees was obtained from administrative records. This was due to several factors, the most important of which were—

(1) Many of the establishments with less than 10 employees were owned by multiunit companies and were covered in the mail canvass.

TABLE I. Value of Products Not Specified by Kind: 1967

(Millions of dollars)

Product group code	Total value of product shipments	Products not specified by kind			
		Total	Large companies	Small companies[1]	Percent attributable to small companies
Total	539,470.1	23,387.2	17,884.6	5,430.6	1.0
20	78,650.9	4,088.2	3,326.7	761.5	1.0
21	4,589.7	46.4	44.2	2.2	.1
22	20,141.0	691.2	550.1	69.1	.3
23	19,748.9	1,992.5	1,686.0	306.5	1.6
24	10,585.7	1,614.7	774.7	840.0	7.9
25	8,110.2	702.6	485.7	216.9	2.7
26	20,049.3	575.3	512.4	62.9	.3
27	20,878.9	1,805.2	923.1	882.1	4.2
28	40,013.1	1,030.3	851.9	178.4	.5
29	20,992.8	159.2	130.0	29.2	.1
30	12,236.8	512.5	414.6	97.9	.8
31	4,849.8	238.8	180.8	58.0	1.2
32	13,596.9	585.6	404.3	181.3	1.3
33	55,926.8	670.6	607.9	62.7	.1
34	32,928.9	2,720.7	2,342.1	378.6	1.2
35	46,076.8	2,874.8	2,223.4	651.4	1.4
36	39,429.2	937.8	793.5	144.3	.4
37	64,976.3	854.7	718.3	136.4	.2
38	8,759.5	340.2	263.3	76.9	.9
39 plus 19	16,928.6	945.9	651.6	294.3	1.7

Note: Based on preliminary data. These values represent product shipments, irrespective of the industry in which the products were made, and therefore differ from the industry group totals shown in the General Summary tables.

[1]Estimates derived from administrative records. See text for further discussion.

(2) Questionnaires were mailed to about 6,000 of the companies identified as having less than 10 employees. Part of these were the small companies included in the ASM sample; the rest were included in the mail canvass to improve the estimates of general statistics, products, and materials.

(3) Some companies identified originally as having 10 employees or more turned out to have less than 10 in 1967.

(4) Some companies identified originally as having less than 10 employees were found to have been out of business in 1967.

Another factor tended to reduce the value of products not specified by kind attributed to small companies, thus affecting tabel I particularly. This was the fact that some 4-digit industries were represented by only one product category (an example is industry 3273, Ready-Mixed Concrete). Administrative-record estimates for products such as this were treated as specific information and not tabulated under the "not specified by kind" heading.

These factors taken together explain why the value of products "not specified by kind" attributed to small companies in table I is only 1 percent of the total, while the 157,000 establishments with less than 10 employees account for 2.3 percent of the total.

The data for many of the specific 7-digit products shown in table 6A are understated.

16. DUPLICATION IN COST OF MATERIALS AND VALUE OF PRODUCTS

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. With some important exceptions, such as SIC 3312, Blast Furnaces and Steel Mills, this duplication is not significant within individual 4-digit industries. However, it is significant at the 2-digit and 3-digit industry level because these group totals often include industries which represent successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the total value of shipments of SIC Major Group 20 and the addition of pulpmills to papermills in Group 26. Economists have estimated that the value of manufactured products exclusive of such duplication—the value of finished manufactures—tends to approximate two-thirds of the total value of shipments reported in the census of manufactures.

Because the amounts of duplication contained in the cost of materials and value of products figures cannot be measured with any degree of precision, caution is urged with their use when they are provided at the 2- and 3-digit industry group level.

Even where no significant amount of duplication is involved, value of shipments figures are of limited use as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs to value of shipments, both among industries and within the same industry. To a large extent, value added by manufacture does not have these limitations and is therefore a better measure for comparison.

17. VALUE ADDED BY MANUFACTURE

General.—Value added by manufacture is derived by subtracting the total cost of materials (including materials, supplies, fuel, electric energy, cost of resales, and miscellaneous receipts) from the value of shipments (including resales) and other receipts and adjusting the resulting amount by the net change in finished products and work-in-process inventories between the beginning and end of the year.[21]

Value added avoids the duplication in the value of shipments figure which results from the inclusion of the shipments of establishments producing materials and components along with the shipments of establishments producing finished products. It does not exclude purchased business services, as does the national income concept described below.[22] Nevertheless, it is considered to be the best value measure now available for comparing the relative economic importance of manufacturing among industries and geographic areas.

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[21] For a few industries (for example, aircraft, ship building) where value of work done is substituted for value of shipments, no adjustment is made for change in inventories. In a few other industries where value of production is collected, the inventory adjustment is made only on the basis of change in work-in-process inventories.

[22] Collection of data on the cost of purchased business services at the plant level presents many problems. Advertising by multiunit companies, for example, is frequently charged at the company level and the cost either not allocated, to plants or if allocated, only as part of a broader company overhead category. National income data, on the other hand, are compiled in part from company rather than plant data, such as the IRS *Statistics of Income* in which advertising is presented as a separate cost item based on company reports.

TABLE J. Comparison of National Income Originating and Value Added by Major Industry Group: 1967

(Billions of dollars)

SIC code	Industry group description	National income originating[1] (1)	Value added by manufacturing (2)	Col. (1) divided by col. (2)
	Manufacturing	195.2	262.0	0.75
	Nondurable goods	75.5	109.5	.69
20	Food and kindred products	16.3	26.6	.61
21	Tobacco manufactures	1.3	2.0	.65
22	Textile mill products	6.2	8.2	.76
23	Apparel and other fabricated textile products	7.5	10.1	.74
26	Paper and allied products	6.7	9.8	.68
27	Printing, publishing, and allied industries	9.9	14.4	.69
28	Chemicals and allied products	14.1	23.6	.60
29	Petroleum refining and related industries	6.5	5.4	1.20
30	Rubber and miscellaneous plastics products	4.7	6.8	.69
31	Leather and leather products	2.2	2.6	.85
	Durable goods	119.7	152.7	.78
24	Lumber and wood products, except furniture	4.2	5.0	.84
25	Furniture and fixtures	3.2	4.2	.76
32	Stone, clay, and glass products	5.8	8.4	.69
33	Primary metal industries	15.3	20.0	.77
34	Fabricated metal products	13.4	18.0	.74
35	Machinery, except electrical	21.8	27.8	.78
36	Electrical machinery	18.6	24.5	.76
19, 37	Transportation equipment and ordnance, except motor vehicles	15.3	33.8	.86
	Motor vehicles and motor vehicle equipment	13.6		
38	Instruments	5.2	6.4	.81
39	Miscellaneous manufacturing industries	3.3	4.6	.72

[1] Source: Survey of Current Business, July 1970.

National income originating in the manufacturing sector, as developed in the national accounts maintained by the Office of Business Economics (OBE) is somewhat similar to value added in concept, but there are important differences. National income is the aggregate earnings of labor and capital which arise in the current production of goods and services in the manufacturing sector. Thus it measures the total factor costs incurred, and is a more "net" conception of value added than that which it has been found feasible to compile in the economic censuses, on an establishment basis. National income excludes, in addition to cost of materials, such other costs as depreciation charges, State and local taxes (other than corporate income taxes), allowance for bad debts, and purchases of services from nonmanufacturing enterprises, such as contract costs involved in maintenance and repair, services of development and research firms, services of engineering and management consultants, advertising, telephone and telegraph expense, insurance, royalties, patent fees, etc.

In part, the national income estimates are prepared from company rather than establishment data. This method results in the inclusion of some part of the net value added by nonmanufacturing establishments of companies classified as being primarily manufacturing, and conversely, in the exclusion of some part of the net value added by manufacturing establishments of companies classifed as primarily nonmanufacturing. It is believed that for manufacturing as a whole the net effect increases national income. In the Petroleum and Coal Products major industry group, nonmanufacturing activities of manufacturing companies are so significant that this is the one group in which national income exceeds value added, as shown in table J.

Historical Comparison.—Whatever changes have taken place in the relative importance of the costs included in value added but excluded from national income have been gradual. As shown in table K, the ratio between the two figures has been fairly constant over the past decade, and the 1967 ratio is rather close to that for 1939.

TABLE K. National Income Originating in Manufacturing and Value Added by Manufacture: 1939 to 1967

(Billions of dollars)

Year	National income originating in manufacturing (1)	Value added by manufacture (2)	Col. (1) divided by col. (2)
1967.....	195.2	262.0	0.75
1966.....	191.5	250.9	.76
1965.....	172.6	226.9	.76
1964.....	155.6	206.2	.75
1963.....	143.8	192.1	.75
1962.....	137.0	179.3	.76
1961.....	125.1	164.2	.76
1960.....	125.8	164.0	.77
1959.....	124.0	161.3	.77
1958.....	107.7	141.5	.76
1957.....	116.3	147.8	.79
1956.....	113.1	144.9	.78
1954.....	94.6	117.0	.81
1947.....	59.5	[1]74.3	.80
1939.....	18.1	[1]24.5	.74

Sources: National income, Survey of Current Business; value added, Census of Manufactures and Annual Survey of Manufactures.

[1]Unadjusted.

Reconciliation with National Income Components.—Figures are not available to permit a reconciliation of the estimates for value added in manufacturing and the national income originating in manufacturing for the current period. However, in 1957, the Census Bureau conducted a special survey, MC-D11, "Selected Costs and Assets of Manufacturing Establishments," which collected information on some of the costs included in value added for services purchased from other sectors or excluded from the national income estimates. These specific costs which accounted for about $15 billion of the $148 billion of value added in 1957 were maintenance and repairs, $4.5 billion; insurance, $.7 billion; property taxes, $1.5 billion; rental payments, $1.4 billion; and depreciation, $7.3 billion. The residual value added, $132 billion, was approximately $16 billion in excess of national income of $116 billion.

Table L presents an approximate reconciliation of national income and value added figures for manufacturing in 1957. The national income estimates for payrolls and other factor income in that year are based on the unrevised national income figures which are somewhat lower than the revised estimate appearing in table K. It should be noted that the labor costs included in national income and value added are reasonably close despite the fact that they are computed on a slightly different basis. If the proprietary and profit incomes of the company-based national income estimates are allocated to the establishments included in the census of manufactures, value added exceeds national income by $35 billion of which $15 billion is attributable to costs reported on survey MC-D11. Somewhat more than half of the $35 billion excess represents the inclusion in value added by manufacture of purchased business services arising in other economic sectors; the remainder reflects conceptual differences arising from the inclusion, in value added, of indirect business taxes and depreciation which are excluded by definition from national income.

18. CAPITAL EXPENDITURES

Under this heading, manufacturers were instructed to report expenditures of the type chargeable to fixed assets accounts, for which depreciation reserves are normally maintained. Actual capital outlays during the year were requested, not the final value of equipment put in place or structures completed during the year.

The Census Bureau estimates of capital expenditures tend to be lower than those published in the joint Office of Business Economics-Securities and Exchange Commission survey. In addition to normal sampling variation, a major source of difference is to be found in the scope of the two series. Census data relate only to manufacturing establishments, whereas the OBE-SEC series covers all establishments of manufacturing companies—nonmanufacturing as well as manufacturing. This factor is particularly important in the petroleum industry where company expenditures for developing new wells and new distribution facilities are ordinarily much larger than their capital expenditures at refineries. On the other hand, manufacturing establishments of companies engaged primarily in nonmanufacturing activities are excluded from the OBE-SEC series but included in census figures. The OBE-SEC and census data for recent years are shown in tables M and N.

19. PLANT SPECIALIZATION

As discussed in section 4 above, the primary products of a plant are those which determine its industry classification; all other products are referred to as secondary products. The value of a plant's primary products in comparison to its total production is referred to as its degree of specialization. For each plant, two

TABLE L. 1957 Comparative Statistics on Value Added and National Income in Manufacturing

(Billions of dollars)

Item	Value added	National income[1]
Total	147.8	112.5
Payrolls	89.4	87.9
Payrolls of operating manufacturing establishments	76.4	
Supplements to wages in operating manufacturing establishments	6.0	[2]80.6
Payrolls of central administrative offices and auxiliaries, sales branches and offices of manufacturing companies	[4]7.0	[3]7.2
Other factor incomes (Corporate profits, proprietary income)	24.6	24.6
Costs of manufacturing establishments reported on MC-D11	15.4	(X)
Not part of national income:		
Depreciation	7.3	(X)
Property taxes	1.5	(X)
Probably included in other sectors:		
Maintenance and repairs	4.5	(X)
Rental payments	1.4	(X)
Insurance	.7	(X)
Other costs (company overhead other than payrolls included above; e.g., depreciation, business taxes, and services purchased at the company level, and services purchased directly by plants: advertising, legal, accounting, and other professional services; communications, patent fees, royalties, travel costs, etc	18.4	(X)

Standard notes: (X) Not applicable.
[1]Prior to 1958 revisions of national income. The revised total was $116.3 billion. [2]Payrolls.
[3]Supplements to wages. [4]Estimate based on figures reported in the 1958 economic censuses.

TABLE M. Expenditures for New Plant and Equipment–OBE–SEC Series and Census: 1967 and Earlier Years

(Billions of dollars)

Year	OBE–SEC series 1[1] (1)	Census (census of manufactures and ASM) (2)	Col. (2) divided by col. (1)
1967	26.7	[2]21.4	[2]0.80
1966	27.0	20.2	.75
1965	22.5	16.6	.74
1964	18.6	13.3	.72
1963	15.7	11.4	.73
1962	14.7	10.0	.68
1961	13.7	9.8	.72
1960	14.5	10.0	.69
1959	12.1	9.3	.77
1958	11.4	9.6	.84
1954	11.0	8.2	.74
1947	8.7	[3]6.0	.69

[1]Source: 1969 Business Statistics, Office of Business Economics, issued September 1969.
[2]Preliminary.
[3]Excludes data for establishments under construction but not yet in operation.

measures of specialization were computed: (1) A 4-digit primary product-specialization ratio, which is the sum of the values of all the plant's primary products divided by the sum of all its primary and secondary products; and (2) a 5-digit primary product-class specialization ratio, which is the sum of the largest 5-digit product-class value divided by the sum of its primary and secondary products (the miscellaneous receipts of the establishment were not included in these calculations). For example, assume that an establishment reported the following:

Total value of shipments and other receipts	$1,000
Miscellaneous receipts (resales, etc.)	15
Total value of products shipped	985
32721 Concrete pipe products	100
32722 Precast concrete products	785
32730 Ready-mixed concrete	100

This plant would be coded into SIC industry 3272, Concrete Products, with a primary product specialization ratio of 90 percent ($885÷985); it would be subclassified into the 5-digit class 32722, Precast Concrete, with a primary product class specialization ratio of 80 percent ($785÷985).

In the 1967 census, selected general statistics (number of establishments, employment, payrolls, value added, cost of materials, value of shipments, and capital expenditures) were tabulated to primary product-class levels by assigning the plant totals to the principal 5-digit codes. These data are presented in table 8 of the industry chapters, Volume II. For most product

TABLE N. Expenditures for New Plant and Equipment–OBE–SEC Series and Census of Manufactures, by Industry Group: 1967

(Billions of dollars)

Industry groups	OBE–SEC series (1)	Census of Manufactures, 1967 (2)	Column (2) divided by column (1)
		(prelim.)	(prelim.)
All manufacturing, total.	26.69	21.44	0.80
Durable goods, total.....	13.70	11.70	.85
Primary metals.....	3.21	3.03	.94
Electric machinery.....	1.24	1.56	1.26
Machinery, except electric...	2.95	1.88	.64
Transportation equipment.....	2.75	1.81	.66
Stone, clay, and glass.....	.73	.87	1.19
Other durables.....	2.83	2.55	.90
Nondurable goods, total....	13.00	9.72	.75
Food and beverages.....	1.41	1.73	1.23
Textiles.....	.89	.74	.83
Paper.....	1.64	1.59	.97
Chemicals.....	2.88	2.88	1.00
Petroleum.....	4.65	1.00	.22
Rubber.....	.49	.68	1.39
Other nondurables.....	1.04	1.10	1.06

Source: 1969 Business Statistics, Office of Business Economics, issued September 1969, and census of manufactures.

classes, table 8 also provides general statistics for establishments specializing in the class to the extent of 75 percent or more.

Table 8 permits analysis of an industry in terms of the differences introduced by variation among establishments in the degree of specialization in the products of the industry or a subgroup (5-digit). For example, where the ratios among various statistics tend to be different for establishments specializing to different degrees in the products of the industry or in different product classes, the ratios for the industry as a whole would be significantly affected by changes in its product mix.

20. OPERATING RATIOS

Since all of the data collected in the census on establishment reports are interrelated, comparisons of the various measures of activity are of considerable interest. Beginning with the 1963 census, several ratios have been routinely computed and presented in the industry chapters of Volume II. For 1967 and earlier years, the following nine ratios were published for each 4-digit industry:

Payroll per employee
Production workers as percent of total employment
Annual man-hours of production workers
Average hourly earnings of production workers
Cost of materials per dollar of shipments
Cost of materials and payrolls per dollar of shipments
Value added per employee
Payrolls as percent of value added
Value added per man-hour of production worker

21. SUBJECT REPORTS SHOWN IN VOLUME I, SUMMARY AND SUBJECT STATISTICS

Volume I includes 3 tables representing summaries of rearrangements of data appearing in the industry and area volumes, and 2 special reports presenting statistics which are not published elsewhere. The contents of Volume I are as follows:

Chapter 1. General Summary.—This chapter, which appears in other volumes as well as Volume I, provides summary tabulations of data presented in greater detail in other census tables.

Chapter 2. Size of Establishments.—This chapter provides a summary of the general statistics by size of establishment which appear in table 4 of the industry chapters, Volume II. Also included are data on central administrative offices and auxiliary establishments, classified by size.

Chapter 3. Type of Organization.—This report presents data for manufacturing establishments classified as to the legal form of ownership (corporate, individual proprietor, or partnership) and as to whether the owner was a multiunit or single-unit company.

Chapter 4. Manufacturers' Inventories.—These tables summarize the inventory data published in table 3 of the industry chapters, Volume II. A description of the statistics is given in appendix A.

Chapter 5. Expenditures for Plant and Equipment.—These tables summarize the expenditures data published in table 3 of the industry chapters, Volume II. A description of the data is given in appendix A and in section 18, "Capital Expenditures."

Chapter 6. Materials Consumed.—This chapter consists of a compilation of detailed statistics on consumption of materials, fuels, and electricity. These figures also appear in Volume II, Industry Statistics, as tables 7A and 7B.

Chapter 7. Water Use in Manufacturing.—This report presents the results of a survey of the 1968 consumption of water in establishments consuming 20 million gallons or more annually. A more detailed description of the report and definitions of the terms employed, is given in the introduction to chapter 7.

Chapter 8. Selected Metalworking Operations.—This report presents the results of an inquiry concerning employment in metalworking plants such as foundry, forge shop, die casting department, heat treating, etc. The number of establishments in which these facilities are operated is presented, as well as the number of production workers engaged.

Chapter 9. Concentration Ratios.—This special report presents concentration ratios and other information on the share of industrial activity accounted for by the largest companies, both for the United States as a whole and for each of the 420 manufacturing industries. A more detailed description of the report, and explanations of the terms employed, is given in the introduction to chapter 9.

Chapter 10. Manufacturing Activity in Government Establishments.—This special report presents data on manufacturing activities in selected types of government establishments in the United States. The statistics are not included in other census of manufactures tables, which cover only privately operated establishments. A more detailed description of the report is given in the introduction to chapter 10.

22. CONFIDENTIALITY

The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. In suppressing figures to avoid disclosing information of individual companies, geographic region and division totals are given precedence over individual States; States are given precedence over standard metropolitan statistical areas; standard metropolitan statistical areas over counties; and counties over cities. In tables showing industry detail, major industry group (2-digit) totals take preference over industry group (3-digit) totals which, in turn, take precedence over individual (4-digit) industries. Similarly, in product tables, 4-digit product groupings take precedence over 5-digit product classes and the latter over individual 7-digit products.

Such order of precedence was used because (1) it was considered preferable to show regional data for an industry, even at the cost of withholding data for another (usually the least significant) State in a region, rather than to show all publishable data for the individual States and group the disclosure States throughout the United States in an "all other" category as was done in the 1939 and earlier censuses; and (2) by giving preference to industry-group statistics over individual industries within each State, the extent to which individual States can be compared within the SIC industry classification framework is greatly increased.

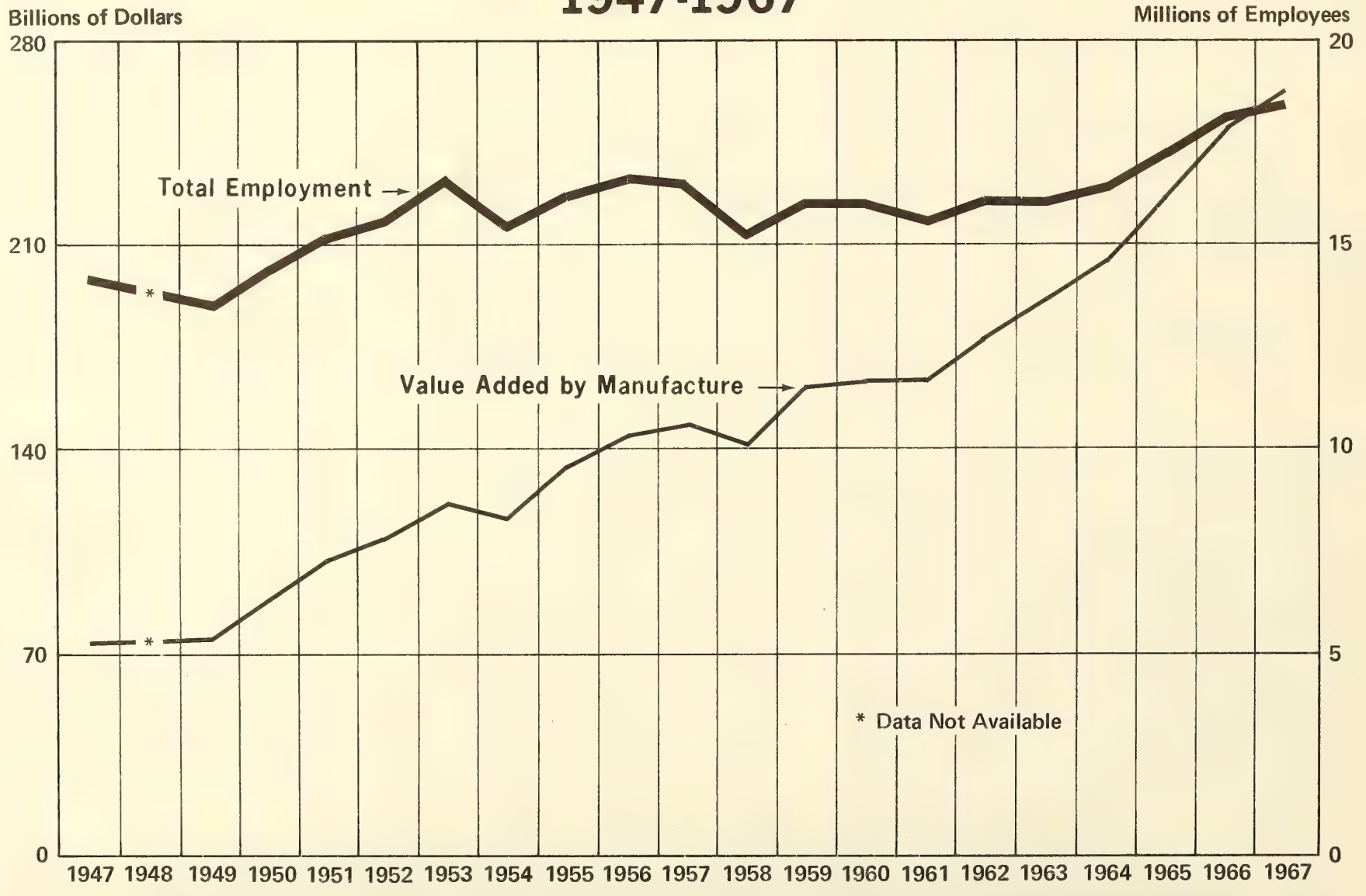
23. ABBREVIATIONS

The following abbreviations and symbols occur frequently in text, tables, and footnotes:

—	Zero
X	Not applicable
NA	Not available
n.e.c.	Not elsewhere classified
n.s.k.	Not specified by kind
lin.	Linear
equiv.	Equivalent
hp	Horsepower
kw.-hrs.	Kilowatt-hours
D	Withheld to avoid disclosing figures for individual companies
SIC	Standard Industrial Classification
IRS	Internal Revenue Service
SSA	Social Security Administration
ASM	Annual Survey of Manufactures
CIR	Current Industrial Reports
OBE	Office of Business Economics
SEC	Securities and Exchange Commission

Other abbreviations, such as lb., gal., yd., doz., and bbl., are used in the customary sense. Where the term "tons" only is used, it refers to short tons of 2,000 pounds; where the figures are expressed in tons of 2,240 pounds, the unit of measure is specified as "long tons" or "gross tons."

Value Added by Manufacture and Total Employment: 1947-1967



U.S. Department of Commerce

Bureau of the Census

Fabricated Metal Products

34A Metal cans, cutlery, handtools, and general hardware

34B Heating apparatus (except electric) and plumbing fixtures

34C Fabricated structural metal products

34D Screw machine products, fasteners and washers; metal stampings; and metal services

34E Miscellaneous metal products

This major group includes establishments primarily engaged in manufacturing a wide variety of fabricated metal products. Other important segments of the metal fabricating industries are classified in other major groups such as machinery, in Major Groups 35 and 36, transportation equipment in Major Group 37, instruments and related products in Major Group 38, jewelry and silverware in Major Group 39, and metal furniture and fixtures in Major Group 25.

The industries included in this major group encompass a varied group of fabricated metal finished products (cutlery, hardware, oil burners, plumbing fixtures, metal doors, safes, etc.), materials or components for incorporation into other products (sheet metal work, steel springs, bolts and nuts, etc.), containers (metal cans, metal shipping barrels and drums, and collapsible tubes), and service operations performed on a job or order basis for the trade (for example, galvanizing, coating, and engraving).

The products of Major Group 34 are used by establishments in other manufacturing industries--in construction, mines, farms, transportation, commerce, and in households. The basic metals consumed are generally produced by establishments in Major Group 33, Primary Metal Industries.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees [1]		Production workers			Value added by manufacture [2]	Cost of materials [3]	Value of shipments [3]	Capital expenditures, new [4]
	Total (number)	With 20 employees or more (number)	Total (1,000)	Payroll (million dollars)	Total (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	27 737	11 043	1 375.1	9 670.0	1 056.9	2 160.9	6 541.6	18 042.6	16 704.9	34 577.8	1 118.4
1963	27 275	9 494	1 110.6	6 644.0	843.8	1 721.0	4 483.7	11 791.1	11 397.9	23 065.2	570.1
1958	25 029	8 580	1 090.3	5 634.2	814.5	1 608.6	3 733.9	9 439.8	(NA)	19 230.1	463.6
1954	(NA)	(NA)	1 040.1	4 535.4	821.2	1 652.4	3 174.2	7 653.4	(NA)	(NA)	432.5
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	319	302	33.3	350.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1963 [5]	300	284	28.5	256.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1958 [5]	246	257	29.8	208.9	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1954 [5]	(NA)	(NA)	20.7	138.1	(x)	(x)	(x)	(x)	(x)	(x)	(x)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	27 418	10 741	1 341.8	9 319.5	1 056.9	2 160.9	6 541.6	18 042.6	16 704.9	34 577.8	1 118.4
1963	27 075	9 210	1 082.1	6 387.5	843.8	1 721.0	4 483.7	11 791.1	11 397.9	23 065.2	570.1
1958	24 783	8 323	1 060.5	5 425.3	814.5	1 608.6	3 733.9	9 439.8	(NA)	19 230.1	463.6
1954	22 516	7 348	1 019.4	4 397.3	821.2	1 652.4	3 174.2	7 653.4	(NA)	(NA)	432.5
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966 [6]	(NA)	(NA)	1 252.3	8 244.9	984.1	2 038.2	5 762.4	15 791.9	15 306.2	30 904.6	952.5
1965 [6]	(NA)	(NA)	1 173.3	7 413.6	914.5	1 901.4	5 181.5	14 171.3	13 687.3	27 536.1	805.7
1964 [6]	(NA)	(NA)	1 115.9	6 852.9	869.5	1 794.8	4 802.7	12 692.9	12 375.5	24 895.6	726.8
1962 [6]	(NA)	(NA)	1 084.3	6 233.5	833.7	1 717.0	4 283.3	11 127.8	11 201.5	23 309.4	529.7
1961 [6]	(NA)	(NA)	1 050.2	5 810.2	802.5	1 628.6	3 953.2	10 290.6	10 476.2	20 760.0	416.5
1960 [6]	(NA)	(NA)	1 086.2	5 888.6	835.5	1 699.3	4 038.3	10 330.5	(NA)	(NA)	483.5
1959 [6]	(NA)	(NA)	1 088.6	5 805.3	842.9	1 713.8	4 004.2	10 487.6	(NA)	(NA)	504.8
1957 [6]	(NA)	(NA)	1 113.5	5 383.1	880.1	1 750.8	3 802.9	9 543.8	(NA)	(NA)	527.5
1956 [6]	(NA)	(NA)	1 101.8	5 126.5	881.0	1 774.0	3 669.2	9 243.8	(NA)	(NA)	497.9
1955 [6]	(NA)	(NA)	1 093.5	4 863.3	885.2	1 787.0	3 532.8	8 774.8	(NA)	(NA)	457.8
1953 [6]	(NA)	(NA)	1 117.6	4 765.4	915.6	1 884.6	3 555.1	8 143.7	(NA)	(NA)	446.2
1952 [6]	17 953	(NA)	1 007.6	4 124.2	820.1	1 691.8	3 036.8	7 168.3	(NA)	(NA)	327.5
1951 [6]	17 552	(NA)	1 035.2	3 988.3	852.6	1 765.4	2 970.2	7 138.6	(NA)	(NA)	354.1
1950 [6]	17 975	(NA)	988.8	3 404.1	806.8	1 658.3	2 523.6	6 210.8	(NA)	(NA)	317.0
1949 [6]	(NA)	(NA)	872.2	2 883.5	710.3	1 428.5	2 088.3	4 834.2	(NA)	(NA)	230.9
1947	16 877	(NA)	973.1	2 833.7	823.0	1 694.7	2 189.0	4 920.3	(NA)	(NA)	304.8
1939 [7]	9 532	(NA)	(NA)	(NA)	451.0	(NA)	546.7	1 400.9	(NA)	(NA)	(NA)
1937 [8]	8 688	(NA)	(NA)	(NA)	493.1	(NA)	604.9	1 388.8	(NA)	(NA)	(NA)

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1] The figures for 1939 through 1967 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2] For the period 1954 to 1967, figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year. See Introduction, "Value Added by Manufacture."

[3] The total value of shipments and cost of materials for industry groups (2- and 3-digit) include extensive duplication arising from shipments between establishments in the same classification. For a more complete explanation, see Introduction.

[4] The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5] In addition to data for operating establishments, figures for employment and payroll for manufacturing central administrative office and auxiliary units are shown for the years 1949 to 1953 in the annual survey of manufactures volumes. Data for these years are not available for the years 1955 to 1957, 1959 to 1962, 1964 to 1966, and prior to 1949.

[6] These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[7] The figures for 1939 to 1967 are not entirely comparable with those for 1937 because the 1937 figures exclude data for establishments primarily engaged in producing lawn sprinklers, spun ware, nonferrous metal novelties, tackle blocks, aluminum ornamental work, aluminum stampings, and machine knives (except metalworking) and include data for establishments primarily engaged in making caulking guns, toilet seats, brooders, cast aluminum cooking ware, and hair clippers. Value added for 1939 on a basis strictly comparable with 1937 was $1,340.4 million.

[8] The figures for 1935 and earlier years are not sufficiently comparable with those for 1937 to 1967 to be shown in this table principally because of the inclusion in earlier years of data for establishments primarily engaged in the manufacture of valves and fittings, except plumbers' and the exclusion of data for establishments primarily engaged in the manufacture of stamped, pressed, and spun aluminum ware.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[3] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
34	FABRICATED METAL PRODUCTS	27 418	10 742	1 341.8	9 319.5	1 056.9	2 160.9	6 541.6	18 042.6	16 704.9	34 577.8	1 118.4	1 082.1	11 791.1
	NORTHEAST REGION	8 738	3 203	383.3	2 611.3	299.2	603.1	1 804.3	4 994.9	4 035.0	8 977.6	302.3	340.1	3 621.6
	NEW ENGLAND DIVISION	2 563	910	105.1	690.9	81.6	165.6	463.9	1 390.8	915.5	2 283.2	88.8	91.7	977.9
	MAINE	60	19	1.9	13.3	1.6	3.3	9.5	24.1	28.9	52.5	1.0	1.5	15.3
	NEW HAMPSHIRE	72	26	2.5	14.2	2.0	3.8	9.9	26.5	18.1	45.0	2.5	2.1	17.5
	VERMONT	35	7	.6	3.6	.5	1.0	2.3	6.1	7.1	13.1	.4	.6	5.2
	MASSACHUSETTS	1 099	400	43.7	290.5	33.8	68.5	193.6	622.4	395.1	1 002.1	36.3	39.6	451.0
	RHODE ISLAND	372	89	8.5	52.3	6.9	13.8	37.1	96.1	65.3	159.7	4.3	7.6	66.7
	CONNECTICUT	925	369	47.9	317.0	36.9	75.1	211.5	615.5	401.0	1 010.7	44.5	40.9	422.2
	MIDDLE ATLANTIC DIVISION	6 175	2 293	278.2	1 920.4	217.6	437.6	1 340.5	3 604.2	3 119.5	6 694.5	213.5	248.4	2 643.7
	NEW YORK	2 895	960	95.8	640.1	76.1	152.5	449.1	1 165.8	945.8	2 105.7	60.5	86.2	865.8
	NEW JERSEY	1 520	553	63.7	455.4	50.1	103.4	317.1	899.7	774.3	1 668.7	48.6	57.5	692.0
	PENNSYLVANIA	1 760	780	118.8	824.9	91.4	181.7	574.2	1 538.7	1 399.4	2 920.1	104.5	104.8	1 085.9
	NORTH CENTRAL REGION	9 486	4 219	593.7	4 320.1	470.7	960.6	3 074.2	8 328.6	7 667.8	15 909.3	517.0	459.6	5 202.7
	EAST NORTH CENTRAL DIVISION	8 010	3 607	522.3	3 839.9	414.8	845.7	2 742.2	7 391.7	6 717.9	14 025.7	454.5	402.7	4 576.7
	OHIO	2 034	965	149.9	1 114.4	116.8	237.9	791.3	2 212.2	2 018.8	4 212.5	133.7	115.3	1 345.8
	INDIANA	735	373	51.0	347.1	40.6	81.7	247.3	648.8	688.6	1 326.6	43.2	43.0	462.7
	ILLINOIS	2 411	1 041	144.4	1 037.9	115.1	234.4	733.9	1 971.1	1 717.5	3 663.4	115.6	121.9	1 366.5
	MICHIGAN	2 183	946	133.9	1 040.0	109.4	224.5	767.8	1 987.7	1 762.7	3 728.6	126.4	86.6	1 025.3
	WISCONSIN	647	282	43.1	300.4	32.9	67.2	201.9	571.8	530.3	1 094.5	35.5	35.8	376.4
	WEST NORTH CENTRAL DIVISION	1 476	612	71.4	480.3	55.9	114.9	332.0	936.9	949.9	1 883.6	62.5	56.9	626.0
	MINNESOTA	414	183	18.2	129.4	14.6	30.2	91.3	241.2	232.0	469.4	14.2	13.3	142.0
	IOWA	200	77	11.5	75.1	8.6	18.1	49.8	132.6	130.3	263.9	11.2	9.2	101.3
	MISSOURI	544	224	29.2	198.9	22.8	46.2	138.3	392.2	392.9	785.2	27.8	24.3	272.9
	NORTH DAKOTA	15	1	.3	1.8	.2	.4	1.1	2.8	4.0	6.9	(D)	(D)	(D)
	SOUTH DAKOTA	22	6	.5	3.2	.4	.8	1.7	5.3	9.7	15.2	(D)	(D)	(D)
	NEBRASKA	109	47	5.1	31.9	3.8	7.8	20.5	67.8	85.7	153.8	4.0	3.8	40.3
	KANSAS	172	74	6.7	40.0	5.5	11.4	29.3	95.1	95.4	189.1	5.0	5.4	63.1
	SOUTH REGION	4 715	1 888	228.1	1 389.1	180.9	384.2	974.6	2 771.1	3 161.3	5 917.7	187.2	171.4	1 675.7
	SOUTH ATLANTIC DIVISION	2 023	787	88.3	535.3	69.5	152.8	367.5	1 078.3	1 320.6	2 394.5	72.5	70.8	710.1
	DELAWARE	36	13	1.8	13.0	1.5	2.9	9.3	22.7	20.4	46.0	1.6	1.6	20.8
	MARYLAND	285	122	14.8	100.5	11.5	23.1	70.3	211.3	269.4	474.4	12.3	13.3	153.3
	DISTRICT OF COLUMBIA	24	8	.6	4.9	.5	.9	3.8	9.3	5.5	14.8	.1	.5	3.8
	VIRGINIA	215	94	11.1	69.2	8.3	17.4	43.3	130.8	178.8	314.5	13.7	9.9	100.6
	WEST VIRGINIA	86	48	7.1	43.1	5.9	11.7	32.6	92.6	97.0	189.9	6.2	7.2	79.4
	NORTH CAROLINA	296	122	13.2	74.5	10.4	31.5	49.1	178.8	170.0	344.3	10.0	9.0	75.0
	SOUTH CAROLINA	127	49	5.7	31.1	4.4	9.2	20.8	56.7	85.4	142.5	4.9	4.0	34.9
	GEORGIA	291	113	14.4	81.3	11.6	24.3	57.5	150.6	214.0	365.4	9.4	10.8	104.7
	FLORIDA	663	218	19.6	117.9	15.4	31.8	80.9	225.5	280.1	502.8	14.3	14.5	137.6
	EAST SOUTH CENTRAL DIVISION	931	427	63.9	372.9	51.5	104.5	266.9	762.8	755.3	1 508.7	57.7	48.4	461.3
	KENTUCKY	222	104	16.3	98.7	13.0	26.6	70.5	204.2	182.2	386.0	17.3	12.4	129.5
	TENNESSEE	338	151	23.3	135.9	18.3	37.0	93.9	236.5	263.8	500.1	24.4	17.2	148.0
	ALABAMA	255	115	16.1	95.5	13.4	26.5	70.4	216.5	203.5	416.3	9.6	13.6	132.4
	MISSISSIPPI	116	57	8.2	42.8	6.9	14.3	32.0	105.6	105.8	206.3	6.3	5.2	51.3
	WEST SOUTH CENTRAL DIVISION	1 761	674	75.9	480.9	59.9	126.9	340.3	930.0	1 085.3	2 014.5	57.0	52.2	504.4
	ARKANSAS	139	54	6.9	35.2	5.8	12.1	26.1	58.6	82.3	141.4	4.8	4.1	33.9
	LOUISIANA	207	74	10.4	72.4	8.4	18.0	54.2	134.8	150.5	284.6	8.1	7.2	78.0
	OKLAHOMA	262	109	13.0	82.0	10.0	20.6	55.7	164.7	162.6	323.6	8.6	7.9	83.9
	TEXAS	1 153	437	45.7	291.3	35.8	76.2	204.3	571.9	689.9	1 264.9	35.6	33.0	308.6
	WEST REGION	4 479	1 432	136.4	998.9	106.0	213.1	688.4	1 947.8	1 841.2	3 773.2	112.0	111.1	1 297.6
	MOUNTAIN DIVISION	526	167	13.2	88.1	10.1	20.0	59.0	181.2	185.9	364.7	8.0	10.8	114.2
	MONTANA	25	6	.4	2.4	.3	.5	1.6	3.5	6.3	9.6	.3	.3	3.2
	IDAHO	30	9	.6	3.9	.5	.9	2.7	8.0	12.0	20.4	.2	.4	6.2
	COLORADO	189	66	5.1	35.6	3.8	7.7	22.3	67.1	76.5	142.9	3.3	4.2	47.0
	NEW MEXICO	28	8	.4	2.6	.3	.6	1.5	5.0	5.8	10.6	.1	.3	2.9
	ARIZONA	137	40	3.7	24.2	3.0	5.8	16.7	45.9	36.3	80.8	2.8	2.6	23.6
	UTAH	92	32	2.6	16.7	2.1	4.0	12.1	47.3	45.1	92.1	1.2	2.6	28.9
	NEVADA	19	5	.3	2.2	.2	.4	1.7	3.5	2.5	6.0	(D)	.2	1.5
	PACIFIC DIVISION	3 953	1 265	123.2	910.8	95.9	193.1	629.5	1 766.6	1 655.3	3 408.5	104.0	100.3	1 183.4
	WASHINGTON	329	94	8.1	60.8	6.6	12.7	46.2	118.0	134.8	251.6	9.3	6.0	76.5
	OREGON	255	73	6.4	48.1	5.1	10.0	33.3	82.1	99.9	181.9	5.8	4.9	58.6
	CALIFORNIA	3 328	1 089	107.9	796.8	83.5	169.0	545.8	1 552.0	1 397.1	2 936.8	88.4	88.5	1 036.5
	HAWAII	31	9	.8	4.9	.7	1.3	3.9	13.9	23.1	37.3	.4	.8	11.1
341	METAL CANS	299	241	60.3	474.4	52.3	112.7	393.3	1 141.5	1 786.2	2 890.6	99.2	53.2	830.5
	NORTHEAST REGION	73	61	15.8	121.1	13.8	30.1	101.1	289.0	372.7	652.7	26.1	14.0	203.0
	NEW ENGLAND DIVISION	9	6	1.0	6.9	.8	1.8	5.5	18.6	28.1	45.5	1.6	.8	13.0
	MAINE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	64	55	14.8	114.1	13.0	28.4	95.5	270.4	344.6	607.2	24.5	13.2	190.0
	NEW YORK	27	19	2.9	22.5	2.6	5.3	18.9	58.2	66.9	123.5	5.0	3.3	44.3
	NEW JERSEY	22	22	7.5	58.6	6.4	14.6	48.0	134.3	182.9	313.8	10.6	5.6	90.5
	PENNSYLVANIA	15	14	4.4	33.1	4.0	8.4	28.7	77.9	94.9	170.0	8.8	4.4	55.1

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
341	METAL CANS--CONTINUED													
	NORTH CENTRAL REGION	82	70	22.0	172.4	18.9	40.2	140.9	399.5	599.0	987.2	30.9	19.3	296.6
	EAST NORTH CENTRAL DIVISION	65	56	16.9	129.7	14.4	30.5	104.9	289.1	426.0	707.2	21.4	15.1	226.7
	OHIO	19	17	2.7	19.8	2.2	4.9	15.1	55.4	76.5	131.1	6.8	(D)	(D)
	INDIANA	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	23	22	10.4	79.7	8.9	18.7	64.6	151.9	200.3	349.1	6.8	10.1	139.3
	MICHIGAN	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WISCONSIN	13	11	2.5	19.9	2.2	4.5	16.6	51.3	91.5	139.8	(D)	2.0	27.9
	WEST NORTH CENTRAL DIVISION	17	14	5.1	42.7	4.5	9.7	35.9	110.4	173.0	279.9	9.5	4.1	68.8
	MINNESOTA	6	5	1.4	12.3	1.2	2.9	10.4	34.8	60.3	92.7	2.7	(D)	(D)
	MISSOURI	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	65	49	11.2	88.3	9.7	21.3	73.6	208.7	390.7	594.5	19.1	10.0	143.0
	SOUTH ATLANTIC DIVISION	33	26	6.9	54.8	5.9	13.2	46.2	113.0	237.5	347.8	10.6	6.2	84.3
	MARYLAND	12	11	3.6	27.8	3.1	6.5	23.4	53.2	110.0	161.9	3.1	3.7	44.2
	VIRGINIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	11	8	2.1	18.3	1.8	4.3	15.4	45.8	84.6	128.6	3.7	1.6	24.8
	EAST SOUTH CENTRAL DIVISION	12	8	.5	3.0	.4	.9	2.6	9.8	25.9	35.1	.3	.4	8.4
	TENNESSEE	6	4	.2	1.2	.2	.4	1.0	3.8	13.3	17.0	.1	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	20	15	3.9	30.5	3.3	7.1	24.8	85.8	127.3	211.7	8.2	3.4	50.3
	LOUISIANA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	15	11	2.5	19.2	2.1	4.5	15.4	57.8	91.0	147.9	(D)	2.0	33.2
	WEST REGION	79	61	11.3	92.7	9.9	21.1	77.8	244.3	423.9	656.2	23.0	9.9	189.0
	MOUNTAIN DIVISION	10	7	.4	3.6	.4	.8	2.7	13.7	29.2	43.3	.6	.4	11.5
	COLORADO	3	3	.3	2.5	.2	.5	1.8	9.0	19.9	28.9	(D)	.2	7.3
	PACIFIC DIVISION	69	54	10.9	89.1	9.5	20.3	75.1	230.6	394.7	612.8	22.4	9.5	177.5
	WASHINGTON	8	8	1.0	8.2	.9	1.9	7.0	23.9	50.7	72.6	2.7	.8	18.5
	OREGON	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	50	39	9.0	74.5	7.8	16.7	63.0	188.9	296.3	475.1	18.7	7.9	143.4
	HAWAII	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
342	CUTLERY, HANDTOOLS, AND HARDWARE	1 939	854	155.9	1 043.1	123.9	259.9	742.2	2 318.3	1 429.7	3 714.6	120.0	136.6	1 707.6
	NORTHEAST REGION	700	321	58.2	371.3	46.1	91.5	258.9	848.7	477.9	1 309.2	42.7	53.1	661.4
	NEW ENGLAND DIVISION	250	127	28.5	180.9	22.0	42.9	121.1	469.9	231.7	692.9	26.8	25.9	352.7
	NEW HAMPSHIRE	14	9	.7	3.7	.6	1.1	2.5	6.7	4.1	10.7	.3	.7	5.0
	VERMONT	5	3	.3	1.1	.2	.4	.8	2.1	.9	2.9	(Z)	.3	2.2
	MASSACHUSETTS	101	47	10.8	70.5	8.3	16.3	46.5	228.3	110.6	332.2	10.9	9.5	171.9
	RHODE ISLAND	17	8	1.2	6.8	.9	1.9	4.9	13.9	7.9	21.2	.5	1.0	7.4
	CONNECTICUT	102	58	15.5	98.1	11.8	23.0	65.9	217.9	108.0	324.6	15.0	14.0	164.3
	MIDDLE ATLANTIC DIVISION	450	194	29.7	190.4	24.1	48.5	137.8	378.8	246.3	616.3	15.9	27.2	308.7
	NEW YORK	226	91	13.7	86.5	10.9	21.8	60.4	165.0	127.1	288.4	8.6	12.5	129.5
	NEW JERSEY	98	44	9.0	62.9	7.3	14.8	47.0	134.8	70.4	202.9	3.2	8.3	119.9
	PENNSYLVANIA	126	59	7.0	41.0	5.8	11.9	30.3	79.1	48.8	125.1	4.1	6.4	59.3
	NORTH CENTRAL REGION	730	341	69.4	499.5	56.0	114.1	370.7	1 101.0	717.1	1 806.4	56.9	60.0	793.9
	EAST NORTH CENTRAL DIVISION	613	290	63.5	463.3	51.1	104.2	344.4	1 032.9	669.9	1 692.0	53.3	55.3	747.3
	OHIO	154	78	18.5	142.3	14.6	29.7	106.2	340.0	219.1	559.1	14.6	14.1	202.8
	INDIANA	64	29	4.4	27.0	3.6	7.3	20.5	59.6	41.7	100.7	2.5	4.3	48.2
	ILLINOIS	174	90	17.4	113.3	13.9	27.6	81.4	229.7	138.1	365.6	11.6	15.1	169.6
	MICHIGAN	166	74	18.9	151.2	15.7	32.8	116.3	333.0	222.7	548.3	20.6	18.7	281.1
	WISCONSIN	55	19	4.3	29.4	3.3	6.8	20.0	70.6	48.3	118.2	4.0	3.1	45.6
	WEST NORTH CENTRAL DIVISION	117	51	5.9	36.2	4.9	9.9	26.3	68.0	47.2	114.5	3.6	4.7	46.6
	MINNESOTA	35	12	1.9	11.3	1.6	3.3	8.4	20.5	17.1	37.8	1.3	1.4	13.9
	IOWA	20	5	.7	4.1	.5	1.0	2.9	9.3	8.8	17.9	.4	.6	6.4
	MISSOURI	38	21	2.3	15.7	1.9	3.9	11.1	27.2	13.1	39.7	.8	2.1	21.1
	NEBRASKA	10	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	12	7	.5	2.8	.4	.9	2.0	6.0	5.1	11.0	.9	.3	2.2
	SOUTH REGION	183	87	14.7	78.4	11.7	33.9	53.0	178.4	122.8	300.9	9.7	12.5	123.5
	SOUTH ATLANTIC DIVISION	85	42	7.2	40.4	5.7	21.8	27.0	103.5	51.9	157.0	4.3	6.4	69.6
	MARYLAND	6	2	.2	1.1	.2	.3	.7	1.8	1.5	3.3	.3	(D)	(D)
	VIRGINIA	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	22.7
	WEST VIRGINIA	6	5	1.6	10.6	1.4	2.8	8.5	29.3	10.5	38.3	1.2	1.2	15.3
	NORTH CAROLINA[6]	24	13	1.9	11.3	1.5	13.6	6.7	31.7	19.0	50.5	1.3	1.1	10.5
	SOUTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	27	10	.9	4.4	.7	1.3	2.9	8.9	5.5	14.3	(D)	.9	12.1
	EAST SOUTH CENTRAL DIVISION	38	27	5.9	29.8	4.7	9.5	20.7	59.2	44.9	102.5	4.3	4.7	43.6
	KENTUCKY	10	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	6.8
	TENNESSEE	18	13	3.7	17.8	3.0	5.8	12.4	34.4	22.5	55.6	2.4	2.5	23.5
	ALABAMA	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.0
	MISSISSIPPI	6	5	1.1	5.8	.9	1.9	4.4	12.0	10.9	23.3	1.3	1.2	10.3
	WEST SOUTH CENTRAL DIVISION	60	18	1.7	8.3	1.3	2.7	5.3	15.7	26.0	41.4	1.1	1.4	10.3
	ARKANSAS	8	5	.8	4.0	.6	1.3	2.4	4.9	8.5	13.3	.5	.8	6.0
	OKLAHOMA	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	43	10	.7	3.2	.6	1.1	2.2	9.0	16.2	25.1	.5	.4	3.3

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
342	CUTLERY, HANDTOOLS, AND HARDWARE--CONTINUED													
	WEST REGION	326	105	13.5	94.0	10.0	20.4	59.6	190.2	111.8	298.1	10.7	11.0	129.4
	MOUNTAIN DIVISION	20	7	.6	3.6	.4	.9	2.2	8.8	5.7	14.4	.9	.4	4.9
	COLORADO	13	6	.5	3.2	.4	.8	2.1	7.9	5.3	13.1	(D)	.4	4.5
	PACIFIC DIVISION	306	98	13.0	90.4	9.6	19.5	57.3	181.4	106.1	283.7	9.8	10.6	124.4
	WASHINGTON	22	4	.3	2.4	.3	.5	1.9	4.4	2.1	6.7	(D)	.3	3.1
	OREGON	26	8	.9	5.5	.7	1.4	4.1	10.8	8.8	19.4	(D)	.5	5.2
	CALIFORNIA	258	86	11.7	82.5	8.6	17.6	51.3	166.2	95.2	257.6	8.4	9.8	116.1
343	PLUMBING AND HEATING EXC. ELECTRIC	838	389	65.2	427.9	48.5	96.8	278.4	871.9	853.9	1 724.9	47.1	68.2	790.3
	NORTHEAST REGION	281	122	18.8	126.1	13.6	26.9	79.8	251.8	224.4	479.4	13.3	18.0	216.9
	NEW ENGLAND DIVISION	59	20	2.4	16.0	1.8	3.8	10.5	29.3	29.7	58.1	.8	2.3	22.4
	MASSACHUSETTS	29	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	RHODE ISLAND[e]	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	20	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	10.5
	MIDDLE ATLANTIC DIVISION	222	102	16.4	110.2	11.8	23.1	69.3	222.5	194.7	421.2	12.5	15.6	194.6
	NEW YORK	82	39	4.6	30.3	3.3	6.2	19.0	59.9	57.8	121.3	2.8	4.4	52.1
	NEW JERSEY	48	17	3.0	19.4	2.2	4.3	12.1	36.9	40.4	80.1	1.7	3.7	45.2
	PENNSYLVANIA	92	46	8.9	60.5	6.3	12.6	38.2	125.8	96.5	219.9	7.9	7.5	97.2
	NORTH CENTRAL REGION	297	149	28.2	192.8	20.9	42.1	125.1	399.4	405.2	794.1	24.5	32.8	396.5
	EAST NORTH CENTRAL DIVISION	234	126	24.2	168.0	17.6	35.2	106.4	336.1	335.4	664.5	15.7	29.1	351.3
	OHIO	68	33	7.0	48.0	5.1	9.9	30.9	104.2	97.7	200.9	4.9	11.4	153.4
	INDIANA	29	20	3.8	24.7	2.7	5.4	15.0	59.3	63.4	120.1	1.9	4.1	51.4
	ILLINOIS	69	37	6.0	42.8	4.5	9.0	26.8	83.4	79.4	160.0	3.0	5.6	67.9
	MICHIGAN	50	22	3.1	21.8	2.1	4.3	12.6	38.5	57.4	96.7	2.5	3.6	32.3
	WISCONSIN	18	14	4.2	30.7	3.2	6.6	21.2	50.7	37.5	86.9	(D)	4.4	46.3
	WEST NORTH CENTRAL DIVISION	63	23	4.0	24.9	3.4	6.9	18.7	63.3	69.7	129.6	8.8	3.7	45.3
	MINNESOTA	17	5	.6	4.1	.4	.9	2.7	7.8	7.6	15.0	.3	(D)	(D)
	IOWA	8	6	.6	4.2	.4	.8	2.2	7.4	10.2	17.9	.3	.6	6.1
	MISSOURI	25	7	1.0	6.2	.7	1.4	4.0	13.0	17.6	28.3	(D)	1.3	12.1
	NEBRASKA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	125	64	13.2	76.3	10.1	20.1	52.0	152.3	158.6	316.4	7.4	11.3	118.2
	SOUTH ATLANTIC DIVISION	55	26	4.6	27.3	3.2	6.6	16.6	48.1	64.5	117.2	3.9	4.0	39.3
	DELAWARE	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	10	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	9	5	1.2	7.3	.6	1.5	2.9	13.8	13.4	31.2	2.3	(D)	(D)
	WEST VIRGINIA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.4
	SOUTH CAROLINA	4	3	.3	1.0	.2	.4	.7	1.3	1.6	2.9	.2	.2	.9
	GEORGIA	8	5	.6	2.9	.4	.9	1.7	2.4	10.7	13.8	.3	.6	5.0
	EAST SOUTH CENTRAL DIVISION	29	23	6.8	39.4	5.3	10.5	28.6	86.1	72.6	159.6	2.5	5.7	58.3
	KENTUCKY	9	6	3.4	22.5	2.6	5.4	16.9	58.1	39.6	99.6	1.6	(D)	(D)
	TENNESSEE	11	11	2.1	11.8	1.7	3.2	8.2	21.4	25.7	46.6	.7	(D)	(D)
	ALABAMA	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	7.0
	WEST SOUTH CENTRAL DIVISION	41	15	1.9	9.6	1.5	3.0	6.8	18.1	21.4	39.6	1.0	1.6	20.5
	ARKANSAS	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	31	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	16.1
	WEST REGION	135	54	5.0	32.6	3.9	7.5	21.6	68.3	65.7	135.0	1.9	6.1	66.2
	MOUNTAIN DIVISION	12	4	.4	2.2	.3	.5	1.6	6.9	5.5	12.1	.2	.2	1.2
	UTAH	5	3	.4	1.9	.3	.5	1.3	6.4	5.0	11.1	(D)	(D)	(D)
	PACIFIC DIVISION	123	50	4.6	30.4	3.6	7.0	20.0	61.4	60.3	122.9	1.8	5.9	65.0
	WASHINGTON	10	2	.2	1.1	.1	.2	.8	1.6	2.0	3.6	(D)	.2	1.5
	CALIFORNIA	102	47	4.3	28.2	3.3	6.5	18.5	58.1	56.5	115.9	1.6	5.6	62.3
344	FABRICATED STRUCTURAL METAL PROD.	10 151	3 705	387.9	2 686.8	292.5	591.5	1 777.9	4 934.3	5 512.4	10 449.2	257.6	325.5	3 219.8
	NORTHEAST REGION	2 894	982	97.6	692.5	73.6	145.9	457.7	1 222.9	1 222.0	2 442.2	57.8	89.2	859.2
	NEW ENGLAND DIVISION	673	200	15.7	113.3	11.7	23.4	72.3	188.5	180.4	370.2	10.3	13.4	133.9
	MAINE	30	11	1.2	8.5	.9	2.0	5.6	13.5	18.4	31.8	.7	.5	6.1
	NEW HAMPSHIRE	37	10	.9	5.8	.8	1.4	4.1	9.7	7.3	17.4	.9	.7	6.2
	VERMONT	9	3	.2	1.7	.2	.4	1.0	2.6	5.3	7.9	.1	.2	2.2
	MASSACHUSETTS	356	113	8.1	58.9	6.3	12.5	39.6	100.4	89.2	187.6	4.2	7.8	75.0
	RHODE ISLAND[e]	68	13	.9	6.0	.7	1.4	4.1	10.0	11.4	21.3	.3	.8	7.5
	CONNECTICUT	173	50	4.3	32.4	2.9	5.8	17.9	52.4	48.9	104.1	4.1	3.4	36.9
	MIDDLE ATLANTIC DIVISION	2 221	782	81.9	579.2	61.8	122.4	385.4	1 034.4	1 041.6	2 072.0	47.4	75.7	725.3
	NEW YORK	939	303	26.5	190.0	20.2	40.4	127.8	322.8	288.5	609.9	13.5	26.0	267.8
	NEW JERSEY	534	174	13.0	95.7	9.9	20.1	63.3	177.8	175.2	355.3	4.9	12.4	128.8
	PENNSYLVANIA	748	305	42.4	293.5	31.8	62.0	194.3	533.9	577.8	1 106.9	29.0	37.4	328.8

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
344	FABRICATED STRUCTURAL METAL PROD.--CONTINUED													
	NORTH CENTRAL REGION	2 741	1 121	125.9	901.7	93.3	189.6	586.4	1 718.0	1 896.2	3 608.2	87.1	106.8	1 112.6
	EAST NORTH CENTRAL DIVISION	2 092	859	98.4	713.6	72.8	147.9	464.8	1 384.4	1 486.1	2 857.3	72.7	83.7	877.9
	OHIO	583	247	31.8	231.2	23.0	46.8	149.7	479.8	516.7	991.8	23.9	27.7	289.5
	INDIANA	232	107	13.8	94.3	10.5	21.0	63.1	160.9	216.7	371.7	16.5	12.1	118.1
	ILLINOIS	572	223	21.2	151.1	16.3	32.9	102.1	305.4	319.5	622.8	13.7	19.8	215.6
	MICHIGAN	476	185	18.7	142.7	13.9	28.3	91.3	276.8	276.2	552.3	10.4	14.0	156.3
	WISCONSIN	229	97	13.0	94.4	9.2	19.0	58.4	161.6	156.9	318.7	8.3	10.1	98.5
	WEST NORTH CENTRAL DIVISION	649	262	27.5	188.1	20.5	41.6	121.6	333.6	410.1	750.9	14.4	23.1	234.7
	MINNESOTA	159	62	5.3	39.2	4.1	8.3	26.1	71.3	75.2	146.4	4.3	4.1	36.3
	IOWA	98	38	4.7	31.2	3.6	7.5	21.1	44.2	64.4	111.2	1.9	3.8	39.7
	MISSOURI	208	82	10.5	73.5	7.7	15.7	48.4	133.6	160.0	296.4	4.1	9.1	97.7
	NORTH DAKOTA	9	1	.2	1.6	.2	.4	.9	2.5	3.8	6.5	(D)	.2	1.9
	SOUTH DAKOTA	16	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.8
	NEBRASKA	66	31	3.0	18.9	2.0	4.0	10.2	35.6	54.5	91.9	1.9	2.6	27.0
	KANSAS	93	43	3.3	20.7	2.6	5.1	13.4	41.7	43.3	84.8	2.0	2.7	28.4
	SOUTH REGION	2 785	1 059	113.6	709.3	87.8	182.8	478.1	1 309.7	1 641.0	2 950.0	82.4	86.1	759.4
	SOUTH ATLANTIC DIVISION	1 224	477	44.6	272.4	34.0	69.9	175.3	498.8	658.7	1 153.2	29.9	35.4	318.3
	DELAWARE	18	6	.7	4.5	.6	1.2	3.6	6.9	9.0	18.6	.6	.5	8.1
	MARYLAND	156	67	5.8	37.7	4.0	7.8	21.2	74.7	79.6	149.8	4.2	4.3	40.3
	DISTRICT OF COLUMBIA	16	7	.5	4.4	.4	.8	3.4	8.1	3.7	11.8	.1	.4	3.1
	VIRGINIA	140	66	6.6	42.8	5.0	10.4	27.3	72.2	101.8	172.7	6.6	6.1	59.2
	WEST VIRGINIA	43	21	1.6	11.5	1.3	2.6	8.1	17.1	32.8	51.3	1.4	1.8	21.2
	NORTH CAROLINA	165	62	5.4	32.5	4.2	8.5	21.4	77.4	103.5	178.7	4.3	4.4	31.8
	SOUTH CAROLINA	93	35	3.4	19.2	2.6	5.8	12.8	35.1	57.6	92.1	2.9	2.0	17.1
	GEORGIA	189	67	8.2	47.7	6.3	13.3	31.3	84.8	122.4	207.7	3.9	6.0	59.3
	FLORIDA	404	146	12.4	72.2	9.5	19.4	46.2	122.5	148.3	270.6	6.0	9.6	78.2
	EAST SOUTH CENTRAL DIVISION	536	204	25.5	161.3	19.7	39.8	110.3	324.1	359.3	683.0	25.9	20.3	174.8
	KENTUCKY	101	34	3.0	19.0	2.4	4.8	12.7	33.5	37.6	71.2	1.9	3.1	22.8
	TENNESSEE	198	77	11.2	74.0	8.3	16.7	48.5	112.0	149.2	265.6	17.9	7.8	59.6
	ALABAMA	167	65	7.7	47.8	6.2	12.3	34.1	122.4	118.9	240.3	3.9	6.9	67.2
	MISSISSIPPI	70	28	3.5	20.5	2.8	6.0	15.1	56.1	53.7	105.9	2.2	2.4	25.1
	WEST SOUTH CENTRAL DIVISION	1 025	378	43.6	275.6	34.1	73.1	192.5	486.9	623.0	1 113.8	26.5	30.8	266.4
	ARKANSAS	95	27	2.6	13.6	2.2	4.6	9.6	19.9	43.1	62.6	1.6	1.4	11.3
	LOUISIANA	152	50	6.5	45.3	5.2	11.2	33.9	76.0	86.6	162.8	4.5	4.0	43.1
	OKLAHOMA	152	63	9.5	61.5	7.2	15.3	41.8	123.3	133.5	253.9	6.0	6.0	63.0
	TEXAS	626	238	25.0	155.2	19.5	42.0	107.2	267.7	359.8	634.5	14.4	19.4	148.9
	WEST REGION	1 731	543	50.7	383.4	38.0	73.3	255.7	683.7	753.2	1 448.7	30.5	43.4	473.1
	MOUNTAIN DIVISION	304	101	8.2	56.5	6.2	12.1	37.3	111.0	116.8	225.2	3.8	7.7	73.0
	MONTANA	16	4	.2	1.5	.2	.3	.9	2.6	5.2	7.7	.2	.2	2.8
	IDAHO	23	8	.5	3.4	.4	.8	2.4	6.0	7.8	13.9	.2	.4	4.8
	COLORADO	96	33	2.3	17.0	1.7	3.4	10.3	27.6	32.4	58.9	1.1	2.2	18.3
	NEW MEXICO	20	7	.4	2.3	.3	.5	1.3	4.5	5.6	9.9	(D)	.3	2.8
	ARIZONA	80	23	2.6	17.3	2.0	3.7	11.5	31.1	29.2	59.2	1.5	2.0	19.2
	UTAH	55	20	1.8	12.5	1.5	2.9	9.2	35.3	33.0	68.2	.7	2.2	23.6
	NEVADA	10	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.1
	PACIFIC DIVISION	1 427	442	42.5	326.9	31.8	61.2	218.4	572.7	636.4	1 223.5	26.7	35.7	400.1
	WASHINGTON	176	54	5.1	39.2	4.1	7.7	28.9	68.6	64.4	133.0	4.1	3.7	42.4
	OREGON	125	35	3.3	27.0	2.5	5.0	18.0	40.4	47.8	89.7	2.0	2.8	34.1
	CALIFORNIA	1 103	349	33.9	258.8	25.0	48.1	170.0	460.3	522.2	995.5	20.4	28.8	319.7
	HAWAII[c]	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
345	SCREW MACHINE PRODUCTS, BOLTS, ETC.	2 536	1 073	116.1	847.1	93.7	196.7	605.7	1 620.9	1 076.3	2 665.4	120.4	94.5	1 054.2
	NORTHEAST REGION	889	345	38.5	268.5	30.4	62.9	189.6	505.4	295.7	792.9	42.5	32.7	340.2
	NEW ENGLAND DIVISION	411	148	16.8	114.2	13.2	28.3	78.4	212.6	115.2	323.7	16.1	14.5	140.1
	NEW HAMPSHIRE	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	116	48	6.8	45.9	5.4	11.6	31.8	80.6	43.2	121.9	4.9	6.5	58.6
	RHODE ISLAND	55	14	1.5	9.2	1.2	2.5	6.5	15.5	11.0	26.4	.9	1.4	11.6
	CONNECTICUT	231	81	8.2	56.8	6.4	13.6	38.3	111.5	57.9	167.3	10.0	6.3	66.3
	MIDDLE ATLANTIC DIVISION	478	197	21.6	154.3	17.2	34.6	111.2	292.9	180.5	469.1	26.4	18.2	200.2
	NEW YORK	211	86	7.0	48.5	5.6	12.0	34.5	95.8	65.7	160.7	7.1	6.1	64.4
	NEW JERSEY	137	51	5.6	44.2	4.3	9.1	30.8	85.6	45.1	128.7	7.8	5.0	63.4
	PENNSYLVANIA	130	60	9.0	61.7	7.2	13.5	45.9	111.5	69.7	179.7	11.5	7.1	72.4
	NORTH CENTRAL REGION	1 227	561	58.8	444.0	47.9	101.8	320.0	840.8	619.5	1 443.7	58.1	49.9	572.9
	EAST NORTH CENTRAL DIVISION	1 133	514	55.4	419.6	45.1	95.9	302.5	796.7	588.7	1 368.9	54.7	47.7	551.1
	OHIO	263	135	17.2	127.8	13.9	28.9	91.6	232.0	183.0	409.8	14.8	14.6	157.5
	INDIANA	86	41	4.0	27.6	3.3	7.0	20.5	52.3	38.3	90.2	3.0	2.9	31.6
	ILLINOIS	359	146	20.0	151.9	16.2	34.6	109.3	290.6	182.5	466.5	21.4	18.3	213.4
	MICHIGAN	352	161	12.0	96.2	9.9	21.7	69.7	191.5	165.2	352.6	13.6	10.1	130.4
	WISCONSIN	73	31	2.2	16.1	1.8	3.7	11.3	30.3	19.8	49.8	1.9	1.7	18.2
	WEST NORTH CENTRAL DIVISION	94	47	3.4	24.4	2.8	5.9	17.5	44.1	30.9	74.8	3.4	2.2	21.7
	MINNESOTA	31	16	1.5	11.0	1.3	2.7	8.1	20.3	16.7	37.0	1.4	(D)	(D)
	IOWA	10	5	.3	1.4	.2	.4	1.1	2.5	1.4	3.9	.2	.2	1.3
	MISSOURI	44	23	1.5	11.0	1.2	2.5	7.4	19.6	11.9	31.3	1.7	1.0	10.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
345	SCREW MACHINE PRODUCTS, BOLTS, ETC.--CONTINUED													
	SOUTH REGION	120	54	6.2	34.9	5.3	10.2	25.3	73.2	58.6	131.0	5.7	4.2	46.5
	SOUTH ATLANTIC DIVISION	53	18	2.7	15.2	2.3	4.5	10.8	36.5	24.9	61.2	2.1	1.9	26.3
	MARYLAND	9	3	.4	2.3	.3	.5	1.6	3.6	3.8	7.5	.2	.3	3.1
	VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	9	2	.2	.7	.2	.3	.5	1.5	.7	2.3	.1	(D)	(D)
	FLORIDA	24	7	.6	3.3	.5	1.0	2.3	6.8	6.9	13.4	.6	.2	2.1
	EAST SOUTH CENTRAL DIVISION	27	15	2.2	12.4	1.9	3.7	9.2	22.4	20.6	42.2	2.6	1.3	12.7
	KENTUCKY	6	3	.4	1.7	.3	.6	1.3	4.1	2.9	6.5	.9	(D)	(D)
	TENNESSEE	8	4	.3	1.6	.2	.5	1.2	3.7	2.2	5.8	.5	(D)	(D)
	ALABAMA	10	6	1.2	7.7	1.0	2.0	5.6	12.5	14.2	26.3	1.1	.9	9.3
	MISSISSIPPI	3	2	.3	1.4	.3	.6	1.1	2.0	1.4	3.5	.2	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	40	21	1.3	7.3	1.1	2.1	5.2	14.3	13.0	27.6	1.0	.9	7.6
	OKLAHOMA	6	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	32	15	1.0	5.9	.8	1.6	4.1	11.8	10.3	22.3	.7	.6	4.5
	WEST REGION	300	113	12.7	99.7	10.1	21.8	70.8	201.4	102.5	297.9	14.1	7.8	96.1
	MOUNTAIN DIVISION	14	5	.2	1.4	.2	.4	1.1	2.4	1.6	4.0	.4	.2	1.3
	PACIFIC DIVISION	286	108	12.4	98.3	9.9	21.4	69.6	199.0	100.9	293.9	13.7	7.7	94.8
	OREGON	5	5	.2	1.3	.1	.3	1.0	2.0	.9	2.9	.3	(D)	(D)
	CALIFORNIA	270	100	12.1	96.3	9.7	20.9	68.2	195.7	98.5	288.3	13.3	7.5	92.6
346	METAL STAMPINGS	2 710	1 351	225.9	1 685.5	187.0	379.8	1 272.4	3 030.8	2 874.7	5 893.7	195.8	132.2	2 280.7
	NORTHEAST REGION	871	384	53.8	388.2	43.7	89.2	284.5	648.1	552.5	1 203.0	44.8	(NA)	(NA)
	NEW ENGLAND DIVISION	269	127	13.4	86.7	10.9	22.5	61.8	146.8	123.5	267.8	10.3	(NA)	(NA)
	MASSACHUSETTS	112	57	4.6	28.6	3.7	7.6	20.0	47.8	28.7	76.1	2.7	(NA)	(NA)
	RHODE ISLAND	32	14	.9	5.0	.7	1.4	3.8	11.0	7.5	18.6	.6	(NA)	(NA)
	CONNECTICUT	115	53	7.8	52.4	6.3	13.2	37.4	86.6	86.3	170.8	6.8	(NA)	(NA)
	MIDDLE ATLANTIC DIVISION	602	257	40.4	301.4	32.8	66.7	222.7	501.3	428.9	935.2	34.5	(NA)	(NA)
	NEW YORK	318	123	17.2	120.7	14.1	28.4	88.7	210.9	170.7	380.0	9.6	(NA)	(NA)
	NEW JERSEY	167	71	7.0	48.9	5.7	11.6	34.3	87.1	67.9	154.4	5.1	(NA)	(NA)
	PENNSYLVANIA	117	63	16.1	131.8	12.9	26.7	99.7	203.3	190.3	400.8	19.9	(NA)	(NA)
	NORTH CENTRAL REGION	1 337	768	150.3	1 165.8	124.7	252.3	889.3	2 117.9	2 067.4	4 174.0	132.6	(NA)	(NA)
	EAST NORTH CENTRAL DIVISION	1 206	698	142.9	1 116.9	118.8	240.1	855.3	2 038.9	2 007.1	4 035.3	126.2	(NA)	(NA)
	OHIO	274	177	37.5	299.7	31.1	63.1	231.5	545.3	556.1	1 098.2	24.3	(NA)	(NA)
	INDIANA	96	59	11.7	87.8	9.7	19.5	68.0	151.4	167.8	318.8	8.6	(NA)	(NA)
	ILLINOIS	359	174	27.9	208.0	23.4	46.5	158.1	393.2	356.3	749.7	23.7	(NA)	(NA)
	MICHIGAN	388	235	54.3	448.9	45.5	92.8	347.8	803.6	799.7	1 600.0	61.7	(NA)	(NA)
	WISCONSIN	89	53	11.5	72.4	9.1	18.1	49.9	145.4	127.1	268.6	7.9	(NA)	(NA)
	WEST NORTH CENTRAL DIVISION	131	70	7.4	48.9	5.9	12.2	34.0	79.0	60.3	138.7	6.4	(NA)	(NA)
	MINNESOTA	67	42	3.8	25.5	3.0	6.2	18.2	42.1	24.8	66.4	2.2	(NA)	(NA)
	IOWA	11	3	.8	5.4	.7	1.6	3.9	8.0	8.7	16.9	.6	(NA)	(NA)
	MISSOURI	43	22	2.6	17.4	2.1	4.2	11.4	27.3	25.6	52.6	3.6	(NA)	(NA)
	SOUTH REGION	209	108	14.9	81.8	12.7	26.1	61.5	165.6	189.4	352.4	12.6	(NA)	(NA)
	SOUTH ATLANTIC DIVISION	87	40	6.2	35.7	5.2	10.5	26.7	71.1	89.5	159.3	6.4	(NA)	(NA)
	DELAWARE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
	MARYLAND	16	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
	WEST VIRGINIA	8	6	.7	3.6	.6	1.2	2.8	6.3	4.7	10.8	.3	(NA)	(NA)
	NORTH CAROLINA	20	8	.6	3.5	.4	.9	2.4	6.0	3.7	9.7	.5	(NA)	(NA)
	SOUTH CAROLINA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
	GEORGIA	15	9	2.1	11.2	1.9	4.1	9.0	23.5	27.4	50.6	1.6	(NA)	(NA)
	FLORIDA	18	5	.4	2.2	.4	.8	1.7	6.2	6.8	13.0	1.1	(NA)	(NA)
	EAST SOUTH CENTRAL DIVISION	67	46	6.8	35.1	5.9	12.3	26.6	70.4	80.4	150.2	3.8	(NA)	(NA)
	KENTUCKY	25	21	2.5	14.3	2.1	4.2	10.5	22.1	24.0	47.1	1.8	(NA)	(NA)
	TENNESSEE	21	9	1.7	7.6	1.5	3.2	5.8	18.8	19.6	37.7	.7	(NA)	(NA)
	ALABAMA	11	8	.8	4.8	.7	1.5	3.5	10.2	14.8	24.9	.3	(NA)	(NA)
	MISSISSIPPI	10	8	1.8	8.4	1.6	3.4	6.8	19.4	22.0	40.5	.9	(NA)	(NA)
	WEST SOUTH CENTRAL DIVISION	55	22	2.0	11.0	1.6	3.2	8.3	24.1	19.5	42.9	2.4	(NA)	(NA)
	ARKANSAS	4	3	.7	3.3	.6	1.2	2.6	6.3	5.4	11.5	.5	(NA)	(NA)
	LOUISIANA	7	4	.2	1.5	.2	.3	1.2	3.0	3.5	6.5	.1	(NA)	(NA)
	OKLAHOMA	8	3	.3	1.5	.2	.5	1.2	3.1	1.6	4.5	.3	(NA)	(NA)
	TEXAS	36	12	.8	4.6	.7	1.3	3.3	11.7	9.1	20.4	1.6	(NA)	(NA)
	WEST REGION	293	91	7.0	49.8	5.8	12.3	37.2	99.2	65.4	164.2	5.8	(NA)	(NA)
	MOUNTAIN DIVISION	18	3	.2	.9	.1	.3	.7	1.5	1.0	2.5	.3	(NA)	(NA)
	PACIFIC DIVISION	275	88	6.8	48.9	5.7	12.1	36.5	97.7	64.4	161.7	5.5	(NA)	(NA)
	WASHINGTON	13	2	.2	1.4	.2	.3	1.1	2.7	2.2	5.2	.2	(NA)	(NA)
	OREGON	10	3	.2	1.1	.2	.3	.9	1.5	1.0	2.4	.2	(NA)	(NA)
	CALIFORNIA	252	83	6.4	46.3	5.4	11.4	34.5	93.4	61.3	154.2	5.1	(NA)	(NA)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
347	METAL SERVICES, NEC.	4 684	1 204	81.3	481.4	69.0	137.4	356.1	864.3	403.5	1 262.4	55.1	65.6	554.7
	NORTHEAST REGION	1 560	359	23.7	136.3	20.2	39.8	100.0	242.4	110.0	350.1	14.6	21.1	167.9
	NEW ENGLAND DIVISION	524	123	8.2	48.3	6.9	13.8	34.4	83.2	30.3	113.1	5.2	6.9	51.5
	MASSACHUSETTS	211	54	3.2	18.6	2.6	5.2	13.3	31.4	10.5	41.8	1.3	2.9	21.6
	RHODE ISLAND	155	26	1.9	9.1	1.7	3.2	7.2	14.8	5.9	20.7	.6	1.6	8.8
	CONNECTICUT	145	42	3.0	20.0	2.5	5.1	13.4	35.9	13.4	48.9	3.2	(D)	(D)
	MIDDLE ATLANTIC DIVISION	1 036	236	15.5	88.0	13.2	26.0	65.6	159.2	79.7	237.0	9.4	14.2	116.4
	NEW YORK	594	128	8.4	46.1	7.2	14.2	34.2	80.9	29.1	109.8	3.7	7.5	57.5
	NEW JERSEY	244	56	3.3	19.6	2.8	5.6	14.4	36.2	17.8	53.8	1.4	3.3	27.2
	PENNSYLVANIA	198	52	3.8	22.2	3.2	6.2	17.0	42.1	32.9	73.4	4.3	3.3	31.7
	NORTH CENTRAL REGION	1 675	499	34.6	211.6	29.1	58.2	155.0	376.0	190.3	564.5	24.4	28.6	252.5
	EAST NORTH CENTRAL DIVISION	1 487	452	31.3	191.1	26.4	52.6	140.5	334.8	175.6	508.7	22.7	25.9	228.8
	OHIO	362	108	7.4	46.6	6.1	12.5	34.5	82.0	42.8	124.1	4.7	(D)	(D)
	INDIANA	101	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	435	151	10.4	66.8	8.6	17.3	47.9	118.1	73.6	191.4	8.5	8.5	77.7
	MICHIGAN	493	128	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.8	64.7
	WISCONSIN	96	27	1.8	10.7	1.5	3.1	7.8	18.1	10.2	28.3	2.2	(D)	(D)
	WEST NORTH CENTRAL DIVISION	188	47	3.3	20.5	2.8	5.5	14.5	41.3	14.7	55.8	1.7	2.7	23.7
	MINNESOTA	53	17	1.2	8.3	1.0	2.1	6.1	14.9	5.3	20.1	.6	.8	8.2
	IOWA	17	4	.2	1.1	.2	.3	.8	1.8	.6	2.4	.1	.2	1.5
	MISSOURI	92	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	20	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.3
	SOUTH REGION	545	141	9.9	52.2	8.6	17.4	40.4	100.5	48.4	148.3	5.5	6.2	47.8
	SOUTH ATLANTIC DIVISION	226	46	4.0	21.7	3.3	6.6	16.0	39.4	22.2	61.4	2.1	2.8	21.0
	MARYLAND	37	8	.5	3.0	.4	.8	2.5	6.0	5.3	11.3	(D)	.6	5.4
	VIRGINIA	23	4	.2	1.4	.2	.4	1.1	2.2	.8	3.0	.1	.2	1.4
	NORTH CAROLINA	30	7	.7	3.3	.6	1.2	2.5	5.4	2.5	7.8	.3	(D)	(D)
	SOUTH CAROLINA	12	2	.2	1.0	.2	.3	.8	1.9	.6	2.5	.1	.2	.9
	GEORGIA	25	10	.7	3.7	.6	1.2	2.6	6.3	7.0	13.3	.6	.8	5.5
	FLORIDA	82	12	1.4	8.0	1.2	2.4	5.7	15.6	5.1	20.7	.8	.6	4.3
	EAST SOUTH CENTRAL DIVISION	96	30	2.1	8.9	1.8	3.7	7.3	16.2	7.6	23.7	1.0	1.1	8.2
	KENTUCKY	27	7	.6	2.9	.6	1.3	2.5	5.5	2.2	7.6	.4	.4	2.8
	TENNESSEE	42	15	.9	3.6	.7	1.5	2.8	6.3	2.3	8.6	.1	.5	3.0
	ALABAMA	22	6	.5	2.1	.4	.8	1.8	3.8	2.9	6.7	(D)	.3	2.1
	WEST SOUTH CENTRAL DIVISION	223	65	3.9	21.7	3.4	7.1	17.1	44.9	18.6	63.2	2.4	2.2	18.7
	LOUISIANA	20	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.2
	OKLAHOMA	39	11	.7	3.8	.6	1.1	2.9	7.9	2.6	10.4	.3	.4	2.7
	TEXAS	158	45	2.6	14.3	2.3	4.9	11.3	29.2	11.8	40.8	(D)	1.5	12.8
	WEST REGION	904	205	13.1	81.2	11.1	22.0	60.7	145.3	54.8	199.5	10.6	9.8	86.6
	MOUNTAIN DIVISION	72	15	.8	4.5	.7	1.4	3.4	8.1	2.3	10.4	.4	.7	5.3
	COLORADO	25	6	.3	1.3	.2	.4	1.0	3.0	.8	3.7	.2	.2	2.0
	ARIZONA	24	6	.4	2.1	.3	.6	1.5	3.2	.9	4.1	.1	.3	2.1
	PACIFIC DIVISION	832	190	12.2	76.7	10.4	20.6	57.3	137.3	52.5	189.1	10.2	9.1	81.3
	WASHINGTON	38	7	.4	2.6	.3	.6	2.1	4.9	2.1	7.0	.6	.3	3.1
	OREGON	33	5	.4	2.1	.3	.6	1.6	3.5	.9	4.4	.1	.2	1.6
	CALIFORNIA	755	177	11.4	71.7	9.7	19.4	53.3	128.6	49.1	177.1	9.4	8.6	76.5
348	MISC. FABRICATED WIRE PRODUCTS	1 550	613	60.2	364.0	49.3	99.0	257.2	669.5	553.0	1 220.4	37.8	55.5	539.1
	NORTHEAST REGION	542	201	19.5	115.5	15.8	31.2	82.8	220.1	168.9	388.6	8.7	18.2	182.7
	NEW ENGLAND DIVISION	149	59	5.1	29.4	4.2	8.6	21.0	47.9	34.9	82.4	2.8	4.4	36.3
	MASSACHUSETTS	56	21	1.6	8.4	1.3	2.5	5.8	14.7	12.7	27.6	1.2	1.5	12.8
	CONNECTICUT	70	37	3.4	20.4	2.8	5.9	14.8	32.3	21.5	53.1	1.5	2.6	21.4
	MIDDLE ATLANTIC DIVISION	393	142	14.4	86.2	11.6	22.6	61.7	172.2	133.9	306.2	6.0	13.9	146.4
	NEW YORK	198	70	5.0	27.5	4.1	7.8	19.8	50.6	36.0	86.7	2.1	4.7	41.0
	NEW JERSEY	85	27	2.7	17.1	2.2	4.5	12.2	34.1	24.5	58.3	1.0	2.9	35.9
	PENNSYLVANIA	110	45	6.6	41.5	5.3	10.3	29.7	87.5	73.4	161.2	2.9	6.3	69.6
	NORTH CENTRAL REGION	516	243	26.0	167.3	21.5	43.6	118.4	280.5	230.7	510.9	13.4	25.3	236.8
	EAST NORTH CENTRAL DIVISION	436	209	22.8	148.6	18.7	38.0	104.6	246.5	204.8	451.1	11.5	21.9	203.2
	OHIO	95	37	3.1	18.8	2.6	5.2	12.8	34.1	29.8	63.8	1.3	2.6	25.5
	INDIANA	56	33	3.5	19.5	3.0	5.6	14.2	35.1	28.9	64.0	1.3	3.1	27.2
	ILLINOIS	173	78	8.8	57.9	7.2	14.9	40.3	86.3	76.9	162.8	4.4	8.5	74.0
	MICHIGAN	88	51	6.4	45.9	5.3	10.7	32.7	79.9	61.4	141.0	3.5	6.8	69.3
	WISCONSIN	24	10	.9	6.6	.8	1.6	4.6	11.2	7.9	19.5	1.1	.9	7.2
	WEST NORTH CENTRAL DIVISION	80	34	3.2	18.7	2.7	5.6	13.8	34.0	25.9	59.8	1.9	3.4	33.6
	MINNESOTA	16	6	.3	1.9	.3	.5	1.4	3.0	2.3	5.3	.1	.5	4.6
	IOWA	9	4	.5	2.6	.4	.8	2.0	4.4	3.1	7.4	.1	.6	4.7
	MISSOURI	36	17	2.0	11.4	1.6	3.2	8.1	21.3	15.5	36.9	(D)	2.0	20.8
	NEBRASKA	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.6

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
348	MISC. FABRICATED WIRE PRODUCTS--CON.													
	SOUTH REGION	227	89	9.6	48.8	7.9	16.1	33.8	108.7	104.7	212.1	11.6	7.1	72.5
	SOUTH ATLANTIC DIVISION	89	33	3.7	18.9	3.0	5.9	12.8	44.7	43.2	87.3	4.6	3.0	28.4
	MARYLAND	17	5	1.1	6.0	.8	1.5	3.8	17.9	12.9	30.6	.5	1.0	14.5
	VIRGINIA	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	22	12	1.5	6.6	1.3	2.5	4.7	11.8	15.2	26.9	1.5	1.1	5.7
	GEORGIA	11	5	.2	1.2	.2	.3	.7	2.2	2.9	5.1	.1	(D)	(D)
	FLORIDA	28	7	.6	3.3	.5	.9	2.2	6.7	8.7	15.2	1.0	.5	5.0
	EAST SOUTH CENTRAL DIVISION	51	28	2.9	14.7	2.4	5.0	10.0	34.9	28.4	62.3	5.5	2.4	26.1
	KENTUCKY	13	7	1.2	6.6	1.0	2.1	4.5	16.5	12.0	28.2	(D)	(D)	(D)
	TENNESSEE	15	10	1.0	4.6	.8	1.6	2.8	8.4	8.2	16.1	.5	.8	6.4
	ALABAMA	16	7	.4	2.5	.4	.7	1.9	7.6	5.8	13.2	1.6	.5	7.1
	MISSISSIPPI	7	4	.3	1.0	.2	.5	.8	2.4	2.4	4.8	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	87	28	3.0	15.3	2.5	5.2	11.0	29.0	33.2	62.6	1.5	1.7	18.0
	ARKANSAS	6	5	.9	4.6	.9	1.9	4.2	7.7	6.4	14.0	1.0	(D)	(D)
	OKLAHOMA	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	3.0
	TEXAS	67	21	1.9	9.4	1.5	3.0	6.0	17.6	21.4	39.4	.5	1.3	13.2
	WEST REGION	265	80	5.1	32.3	4.1	8.1	22.3	60.2	48.7	108.8	4.1	4.9	47.0
	MOUNTAIN DIVISION	28	6	.4	2.0	.3	.6	1.4	4.0	3.8	7.7	.3	.3	2.6
	COLORADO	12	3	.2	1.1	.2	.3	.8	2.2	2.1	4.3	.2	.1	1.3
	PACIFIC DIVISION	237	74	4.7	30.3	3.8	7.5	20.9	56.2	44.9	101.0	3.9	4.6	44.4
	WASHINGTON	21	8	.4	1.9	.3	.6	1.3	5.0	3.8	8.7	.5	.3	3.2
	OREGON	18	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	194	60	4.0	26.5	3.3	6.5	18.2	46.7	37.8	84.4	2.9	4.1	39.6
349	MISC. FABRICATED METAL PRODUCTS	2 711	1 312	188.7	1 309.0	140.6	287.3	858.3	2 591.1	2 215.5	4 756.6	185.4	150.8	1 725.8
	NORTHEAST REGION	928	428	57.4	391.8	42.1	85.7	250.0	766.4	610.8	1 359.6	51.8	50.7	543.6
	NEW ENGLAND DIVISION	219	100	14.0	95.1	10.0	20.4	58.8	194.0	141.5	329.5	15.0	13.0	128.9
	NEW HAMPSHIRE	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	114	49	7.2	49.9	5.0	10.4	29.6	99.1	70.2	165.3	9.4	6.6	65.1
	RHODE ISLAND	26	11	1.8	14.0	1.2	2.7	8.9	28.1	18.2	46.2	(D)	1.8	19.9
	CONNECTICUT	67	37	4.5	28.4	3.3	6.6	18.5	61.0	48.7	107.6	3.3	4.2	40.8
	MIDDLE ATLANTIC DIVISION	709	328	43.4	296.7	32.1	65.3	191.2	572.4	469.3	1 030.1	36.8	37.7	414.8
	NEW YORK	300	101	10.3	68.1	8.1	16.4	45.7	121.8	104.2	225.4	8.0	9.6	94.7
	NEW JERSEY	185	91	12.5	89.0	9.2	18.9	55.0	172.9	150.0	321.4	12.8	10.3	118.1
	PENNSYLVANIA	224	136	20.5	139.6	14.9	30.0	90.4	277.7	215.1	483.2	16.0	17.8	202.0
	NORTH CENTRAL REGION	881	467	78.6	564.8	58.3	118.8	368.5	1 095.4	942.3	2 020.2	89.1	65.2	777.5
	EAST NORTH CENTRAL DIVISION	744	403	67.0	489.0	49.9	101.3	318.8	932.3	824.3	1 740.7	76.3	57.2	679.1
	OHIO	216	133	24.7	180.1	18.2	36.9	119.0	339.4	297.1	633.9	38.3	19.1	239.3
	INDIANA	66	42	6.2	43.1	4.8	9.7	28.4	83.2	81.7	164.8	4.4	6.6	78.0
	ILLINOIS	247	120	22.3	166.5	16.2	32.8	103.3	312.6	290.9	595.4	22.5	19.2	231.1
	MICHIGAN	165	88	11.1	79.2	8.8	18.1	56.0	164.4	123.5	281.8	8.9	10.0	109.4
	WISCONSIN	50	20	2.7	20.1	1.8	3.7	12.1	32.7	31.0	64.8	2.2	2.3	21.2
	WEST NORTH CENTRAL DIVISION	137	64	11.6	75.8	8.5	17.6	49.7	163.1	118.0	279.5	12.8	8.0	98.4
	MINNESOTA	30	18	2.3	15.7	1.7	3.5	10.0	26.6	22.7	48.7	1.4	1.7	18.9
	IOWA	27	12	3.8	25.3	2.6	5.7	15.8	55.0	33.0	86.4	7.4	1.9	28.6
	MISSOURI	48	23	4.4	28.3	3.4	6.7	19.3	66.3	44.1	111.6	3.3	3.1	39.6
	NEBRASKA	8	3	.4	2.6	.3	.7	1.7	6.6	7.7	13.9	.2	(D)	(D)
	KANSAS	21	8	.6	4.0	.5	1.0	2.8	8.5	10.4	18.8	(D)	(D)	(D)
	SOUTH REGION	456	237	34.7	219.1	27.1	56.2	156.9	474.1	447.1	912.0	33.2	22.3	253.2
	SOUTH ATLANTIC DIVISION	171	79	8.4	49.1	6.7	13.8	36.1	123.2	128.1	250.1	8.4	5.6	65.6
	DELAWARE	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	22	12	1.1	7.1	1.0	2.0	5.5	24.6	16.9	42.1	1.8	.9	13.0
	VIRGINIA	21	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	9.3
	WEST VIRGINIA	15	8	2.0	11.6	1.6	3.3	9.2	31.4	29.2	60.3	2.8	1.5	21.8
	NORTH CAROLINA	22	13	1.6	8.5	1.1	2.3	5.2	22.1	12.9	33.9	1.2	.7	5.8
	SOUTH CAROLINA	8	4	.2	1.6	.2	.4	.9	3.5	2.5	5.8	(Z)	(D)	(D)
	GEORGIA	22	10	1.3	6.9	1.2	2.4	5.8	14.8	16.3	30.8	.7	.7	6.2
	FLORIDA	57	22	1.1	6.0	.8	1.7	4.3	12.4	13.3	25.4	.6	.6	5.7
	EAST SOUTH CENTRAL DIVISION	75	46	11.5	68.3	9.4	19.1	51.4	139.7	115.7	250.2	11.9	7.9	87.1
	KENTUCKY	29	18	4.5	26.7	3.5	7.1	19.0	53.9	48.7	100.7	7.4	3.3	38.3
	TENNESSEE	19	8	2.3	13.6	1.9	4.0	11.1	27.6	20.8	47.0	1.4	(D)	(D)
	ALABAMA	16	15	3.8	23.9	3.2	6.5	18.7	49.4	35.7	83.6	2.0	3.1	32.4
	MISSISSIPPI	11	5	.9	4.1	.7	1.5	2.6	8.7	10.5	18.9	1.1	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	210	112	14.9	101.7	11.1	23.4	69.4	211.2	203.3	411.7	12.9	8.7	100.5
	ARKANSAS	13	7	1.1	6.1	.9	1.9	4.5	13.4	10.4	24.6	.8	.9	8.0
	LOUISIANA	18	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	13.5
	OKLAHOMA	34	20	1.7	11.2	1.3	2.5	7.1	22.2	15.0	36.6	1.4	.8	9.3
	TEXAS	145	74	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.9	69.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
349	MISC. FABRICATED METAL PRODUCTS--CONTINUED													
	WEST REGION	446	180	18.0	133.2	13.0	26.6	82.9	255.1	215.3	464.9	11.3	12.6	151.5
	MOUNTAIN DIVISION	48	19	1.9	13.4	1.4	3.0	8.5	24.9	20.1	45.2	1.3	1.0	13.1
	COLORADO	21	10	1.2	9.1	.8	1.8	5.2	15.7	14.5	30.5	.4	.8	11.7
	ARIZONA	8	6	.5	3.1	.4	.9	2.4	7.9	3.6	11.2	(D)	.1	.7
	PACIFIC DIVISION	398	161	16.0	119.8	11.5	23.6	74.4	230.2	195.2	419.7	10.0	11.6	138.4
	WASHINGTON	30	6	.4	3.2	.4	.7	2.6	5.7	6.2	12.2	(D)	(D)	(D)
	OREGON	21	7	.6	4.4	.5	.9	2.8	10.1	8.6	18.4	1.0	.6	5.3
	CALIFORNIA	344	148	15.0	112.1	10.7	22.0	68.9	214.2	180.3	388.8	8.6	10.9	131.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Fabricated metal products (SIC 34)	Metal cans (SIC 341)	Cutlery, handtools, and hardware (SIC 342)	Plumbing and heating, except electric (SIC 343)	Fabricated structural metal products (SIC 344)	Screw machine products, bolts, etc. (SIC 345)	Metal stampings (SIC 346)	Metal services, n.e.c. (SIC 347)	Miscellaneous fabricated wire products (SIC 348)	Miscellaneous fabricated metal products (SIC 349)
ESTABLISHMENTS, TOTAL . . . . . NUMBER	27 418	299	1 939	838	10 151	2 536	2 710	4 684	1 550	2 711
WITH 1 TO 19 EMPLOYEES . . . . . DO	16 677	58	1 085	450	6 446	1 463	1 359	3 480	937	1 399
WITH 20 TO 99 EMPLOYEES . . . . . DO	7 911	104	529	216	2 857	835	957	1 088	450	875
WITH 100 EMPLOYEES OR MORE . . . . . DO	2 830	137	325	172	848	238	394	116	163	437
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	1 341.8	60.3	155.9	65.2	387.9	116.1	225.9	81.3	60.2	188.7
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	9 319.5	474.4	1 043.1	427.9	2 686.8	847.1	1 685.5	481.4	364.0	1 309.0
PRODUCTION WORKERS:										
AVERAGE FOR YEAR 1,000	1 056.9	52.3	123.9	48.5	292.5	93.7	187.0	69.0	49.3	140.6
MARCH . . . . . DO	1 044.1	50.5	124.6	47.3	282.1	95.2	185.1	68.2	49.5	141.6
MAY . . . . . DO	1 052.8	52.6	122.6	47.8	291.6	93.3	187.0	68.0	49.0	140.9
AUGUST . . . . . DO	1 064.1	54.6	121.2	49.2	301.9	93.2	185.1	69.3	49.6	140.0
NOVEMBER . . . . . DO	1 066.4	51.3	126.9	49.9	294.7	93.1	190.8	70.6	49.3	139.8
MAN-HOURS . . . . . MILLIONS	2 160.9	112.7	259.9	96.8	591.5	196.7	379.8	137.4	99.0	287.3
JANUARY-MARCH . . . . . DO	535.2	26.2	64.9	23.6	142.5	51.1	94.9	34.0	24.8	73.2
APRIL-JUNE . . . . . DO	543.8	29.4	63.9	23.9	148.7	49.4	97.0	33.8	24.5	73.2
JULY-SEPTEMBER . . . . . DO	532.2	29.4	63.0	24.0	150.5	46.9	90.9	34.0	24.4	69.1
OCTOBER-DECEMBER . . . . . DO	550.1	27.7	68.1	25.5	149.8	49.3	97.0	35.6	25.3	71.8
WAGES . . . . . MILLION DOLLARS	6 541.6	393.3	742.2	278.4	1 777.9	605.7	1 272.4	356.1	257.2	858.3
COST OF MATERIALS, ETC., TOTAL[1] . . . . . DO	16 704.9	1 786.2	1 429.6	854.0	5 512.4	1 076.3	2 874.7	403.5	553.0	2 215.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . DO	14 749.8	1 713.4	1 245.8	756.6	4 767.1	872.4	2 625.8	333.3	487.1	1 948.3
COST OF RESALES . . . . . DO	(D)	46.7	99.2	68.4	431.2	67.6	56.1	9.5	29.9	(D)
FUELS CONSUMED . . . . . DO	(D)	9.1	14.9	9.9	37.2	9.7	20.6	16.4	6.2	(D)
PURCHASED ELECTRIC ENERGY . . . . . DO	(D)	10.9	20.5	8.9	49.2	16.8	41.8	21.9	9.4	(D)
CONTRACT WORK . . . . . DO	(D)	6.1	49.2	10.2	227.7	109.8	130.4	22.4	20.3	(D)
VALUE OF SHIPMENTS, INCLUDING RESALES[1] . . . . . DO	34 577.8	2 890.6	3 714.6	1 724.9	10 449.2	2 665.4	5 893.7	1 262.4	1 220.4	4 756.6
VALUE OF RESALES . . . . . DO	(D)	48.5	140.9	99.2	580.3	81.9	67.8	11.4	36.4	(D)
VALUE ADDED BY MANUFACTURE . . . . . DO	18 042.6	1 141.5	2 318.3	871.9	4 934.3	1 620.9	3 030.8	864.3	669.5	2 591.1
MANUFACTURERS' INVENTORIES:										
BEGINNING OF YEAR, TOTAL . . . . . DO	5 429.9	390.6	631.0	364.0	1 816.8	384.7	684.1	64.3	168.4	926.0
FINISHED PRODUCTS . . . . . DO	1 407.5	136.2	189.1	147.5	263.2	151.7	123.2	12.2	61.5	322.9
WORK IN PROCESS . . . . . DO	1 902.2	104.7	241.6	85.8	794.8	87.9	248.7	9.7	29.7	299.3
MATERIALS, SUPPLIES, FUEL, ETC. . . . . DO	2 120.2	149.7	200.2	130.7	758.7	145.2	312.1	42.5	77.3	303.8
END OF YEAR, TOTAL . . . . . DO	5 654.4	449.6	664.8	369.7	1 815.4	414.4	705.3	73.7	171.9	989.5
FINISHED PRODUCTS . . . . . DO	1 508.5	153.7	204.4	144.5	275.6	177.2	126.3	14.8	62.7	349.3
WORK IN PROCESS . . . . . DO	1 969.2	124.4	259.5	89.3	778.6	94.1	257.4	12.5	30.5	322.9
MATERIALS, SUPPLIES, FUEL, ETC. . . . . DO	2 176.7	171.6	201.0	135.9	761.1	143.1	321.6	46.4	78.7	317.3
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . DO	1 201.9	104.1	127.3	51.2	276.6	131.5	213.5	58.8	41.1	197.8
NEW PLANT AND EQUIPMENT, TOTAL . . . . . DO	1 118.4	99.2	120.0	47.1	257.6	120.4	195.8	55.1	37.8	185.4
NEW STRUCTURES AND ADDITIONS TO PLANT . . . DO	284.2	11.8	26.8	14.0	92.4	27.2	38.6	13.3	9.3	50.8
NEW MACHINERY AND EQUIPMENT . . . . . DO	834.2	87.3	93.2	33.1	165.2	93.2	157.3	41.8	28.5	134.6
USED PLANT AND EQUIPMENT . . . . . DO	83.1	4.9	7.3	4.1	19.0	11.1	17.3	3.7	3.3	12.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

METAL CANS, CUTLERY, HANDTOOLS, AND GENERAL HARDWARE

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3411--Metal Cans
3421--Cutlery
3423--Hand and Edge Tools, Except Machine Tools and Handsaws
3425--Handsaws and Saw Blades
3429--Hardware, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3411--METAL CANS

This industry comprises establishments primarily engaged in manufacturing metal cans from purchased materials. For a detailed list of products of industry 3411, refer to table 6A, product codes 3411010 to 3411091.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Cans Industry in 1967 totaled $2,891 million. This included shipments of metal cans (primary products), valued at $2,534 million, shipments of other products (secondary products) valued at $276 million, and miscellaneous receipts (mainly resales) of $80 million.

This industry's shipments of metal cans (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 97 percent.

Industry 3411 shipments of metal cans (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $2,586 million shipped by all industries. In 1963, the coverage ratio was also 98 percent.

Detailed figures on the shipments of metal cans are collected on a monthly basis by the Bureau of the Census of Form M34D. Table 6A-1 shows totals for the data collected in the monthly survey and in the census of manufactures for the same period. The differences are due to minor revisions in the reports for some companies. Both the

census of manufactures data for industry 3411 and the monthly survey include data for "captive" production, that is, the production of cans for use by the producing company. Most of these "captive" establishments are part of food, petroleum, and paint companies. Detailed data by product packed and metal are shown in table 6A-2.

The monthly survey data are reported in terms of base boxes of metal consumed in the manufacture of cans. Also reported separately are the base boxes of steel (tinplate) and aluminum consumed in the manufacture of cans. For 1967 the base boxes of steel (tinplate) have been converted to short tons by use of the factor 24.5 base boxes per short ton of steel. The comparable factor for 1963 is 23.5 base boxes per short ton of steel.

The weight of aluminum consumed in producing metal cans was reported separately and totaled 173.8 thousand short tons in 1967. In 1963 the tonnage equivalent was 43.3 thousand short tons.

Certain of the larger companies operating establishments classified in industry 3411 also have establishments producing other types of metal containers as well as containers made of other materials and which are classified in other industries; for example: steel shipping barrels, drums, and pails in industry 3491, Metal Barrels, Drums, and Pails; paper and paperboard boxes, drums, etc., in Major Group 26, Paper and Allied Products.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3411, these establishments accounted for approximately less than 1 percent of payroll and value added by manufacture.

3421--CUTLERY

This industry comprises establishments primarily engaged in manufacturing cutlery. Establishments primarily engaged in manufacturing table cutlery made entirely of metal are classified in industry 3914; those manufacturing electric razors in industry 3634; and those manufacturing hair clippers for human use in industry 3999, and for animal use in industry 3522. For a detailed list of products of industry 3421, refer to table 6A, product codes 3421111 to 3421255.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Cutlery Industry in 1967 totaled $379 million. This included shipments of cutlery (primary products), valued at $294 million, shipments of other products (secondary products) valued at $77 million, and miscellanous receipts (mainly resales) of $8 million.

This industry's shipments of cutlery (primary products) in 1967 represented 79 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 66 percent of the total industry shipments are represented by plants specializing in product class 34212, Razor blades and razors, except electric; and 31 percent in 34211, Cutlery, scissors, shears, trimmers, and snips.

Industry 3421 shipments of cutlery (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $309 million shipped by all industries. In 1963, the coverage ratio was 97 percent. Other industries shipping cutlery (primary products) included industry 3423, Hand and Edge Tools, N.E.C., $7 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3421, these establishments accounted for approximately less than 1 percent of payroll and value added by manufacture.

3423--HAND AND EDGE TOOLS, EXCEPT MACHINE TOOLS AND HANDSAWS

This industry comprises establishments primarily engaged in manufacturing files and other hand and edge tools for metalworking, woodworking, and general maintenance. Establishments primarily engaged in manufacturing saws are classified in industry 3425, and metal-cutting dies, power-driven handtools, and attachments and accessories for machine tools in Major Group 35. For a detailed list of products of industry 3423, refer to table 6A, product codes 3423111 to 3423398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Hand and Edge Tools, N.E.C., Industry in 1967 totaled $814 million. This included shipments of hand and edge tools, n.e.c. (primary products), valued at $661 million, shipments of other products (secondary products) valued at $51 million, and miscellaneous receipts (mainly resales) of $101 million.

This industry's shipments of hand and edge tools, n.e.c. (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 54 percent of the total industry shipments are represented by plants specializing in product class 34231, Mechanics' hand service tools; and 26 percent in 34233, Files, rasps, file accessories, and other handtools.

Industry 3423 shipments of hand and edge tools, n.e.c. (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $775 million shipped by all industries. In 1963, the coverage ratio was 84 percent. Other industries shipping hand and edge tools, n.e.c. (primary products) included industry 3425, Handsaws and Saw Blades, $17 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3423, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3425--HANDSAWS AND SAW BLADES

This industry comprises establishments primarily engaged in manufacturing handsaws and saw blades for hand and power-driven saws. Establishments primarily engaged

in manufacturing power-driven sawing machines are classified in Major Group 35. For a detailed list of products of industry 3425, refer to table 6A, product codes 3425011 to 3425049.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Handsaws and Saw Blades Industry in 1967 totaled $154 million. This included shipments of handsaws and saw blades (primary products), valued at $113 million, shipments of other products (secondary products) valued at $29 million, and miscellaneous receipts of $13 million.

This industry's shipments of handsaws and saw blades (primary products) in 1967 represented 80 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 78 percent. Secondary products shipped by this industry in 1967 consisted mainly of hand and edge tools, n.e.c. (SIC 3423) ($17 million).

Industry 3425 shipments of handsaws and saw blades (primary products) in 1967 represented 82 percent (coverage ratio) of these products valued at $138 million shipped by all industries. In 1963, the coverage ratio was 85 percent. Other industries shipping handsaws and saw blades, n.e.c. (primary products) included industry 3548, Metalworking Machinery, N.E.C., $11 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3425, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3429--HARDWARE, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing miscellaneous metal products usually termed "handware," not elsewhere classified. Establishments primarily engaged in manufacturing bolts and nuts are classified in industry 3452, nails, and spikes in Major Group 33, cutlery in industry 3421, handtools in industry 3423, and pole line and transmission hardware in Major Group 36. For a detailed list of products of industry 3429, refer to table 6A, product codes 3429111 to 3429598.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Hardware, N.E.C., Industry in 1967 totaled $2,368 million. This included shipments of hardware, n.e.c. (primary products), valued at $2,074 million, shipments of other products (secondary products) valued at $202 million, and miscellaneous receipts (mainly resales) of $92 million.

This industry's shipments of hardware, n.e.c. (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 91 percent. Secondary products shipped by this industry in 1967 included special dies, tools, jigs, and fixtures ($74 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Approximately 47 percent of the total industry shipments are represented by plants specializing in product class 34291, Transportation equipment hardware; and 27 percent in 34294, Builders' hardware.

Industry 3429 shipments of hardware, n.e.c. (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $2,188 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries shipping hardware, n.e.c. (primary products) included industry 3461, Metal Stampings, $13 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3429, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3411.--METAL CANS														
1967 Census	299	241	60.3	474.4	52.3	112.7	393.3	1,141.5	1,786.2	2,890.6	99.2	449.6	90	98
1966 ASM[1]	(NA)	(NA)	58.7	446.9	51.0	108.0	367.9	1,043.5	1,584.2	2,631.3	99.5	396.2	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	54.9	422.3	46.5	103.0	349.9	1,011.4	1,417.7	2,395.0	79.4	428.3	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	55.1	400.6	47.5	102.0	330.2	932.4	1,335.2	2,255.7	71.8	337.4	(NA)	(NA)
1963 Census	270	206	53.2	377.0	46.1	97.3	311.1	830.5	1,265.2	2,075.0	66.5	321.7	97	98
1962 ASM[1]	(NA)	(NA)	53.1	369.3	46.0	98.4	305.4	772.4	1,339.6	2,112.4	60.0	227.4	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	53.4	347.6	46.2	96.0	286.9	758.7	1,343.5	2,095.3	47.9	288.2	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	53.6	333.6	46.4	95.8	275.1	666.2	1,279.2	1,936.4	68.4	283.6	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	53.8	332.1	46.6	97.3	274.0	668.3	1,250.8	1,933.7	50.8	310.1	(NA)	(NA)
1958 Census[2]	222	189	54.2	303.9	46.9	94.3	249.5	668.6	1,169.7	1,824.1	54.3	335.6	98	99
INDUSTRY 3421.-CUTLERY														
1967 Census	146	69	13.0	80.2	10.4	20.5	54.5	276.3	104.9	378.5	11.5	62.8	79	95
1966 ASM[1]	(NA)	(NA)	13.7	80.0	10.6	21.4	54.4	270.1	107.5	373.6	11.6	63.7	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	14.2	80.0	11.0	22.4	54.1	256.7	97.6	351.3	11.5	56.5	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	11.8	65.5	9.3	19.7	44.4	214.7	81.6	295.1	9.0	50.5	(NA)	(NA)
1963 Census	161	67	11.8	64.3	9.5	19.3	43.9	214.0	72.9	283.4	12.4	47.2	89	97
1962 ASM[1]	(NA)	(NA)	12.4	65.8	9.5	19.1	40.6	194.6	63.3	257.3	11.4	41.1	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	11.7	60.3	8.6	17.4	37.2	174.7	57.8	232.3	6.5	41.7	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	11.3	55.8	8.6	17.2	35.2	159.5	54.7	209.3	3.4	41.7	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	12.1	56.2	8.9	17.6	35.3	150.2	51.8	201.9	3.3	38.9	(NA)	(NA)
1958 Census[2]	183	72	11.8	52.7	9.1	18.0	34.9	126.3	51.1	179.3	2.4	38.0	93	98
INDUSTRY 3423.--HAND AND EDGE TOOLS, N.E.C.														
1967 Census	667	252	35.9	232.9	28.7	57.9	165.8	509.4	311.9	813.5	23.3	177.5	93	85
1966 ASM[1]	(NA)	(NA)	38.0	245.0	30.0	62.8	175.0	511.9	308.5	808.1	19.6	174.6	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	35.3	212.2	27.7	56.1	151.7	455.3	274.5	714.6	16.8	159.7	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	32.7	193.1	25.4	51.5	136.7	390.0	238.2	626.4	13.7	137.6	(NA)	(NA)
1963 Census	716	255	31.5	176.8	24.5	48.7	125.7	364.3	207.4	565.6	11.0	132.2	87	84
1962 ASM[1]	(NA)	(NA)	33.7	180.0	26.1	53.9	126.0	358.1	234.5	589.2	12.1	144.6	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	32.0	164.9	24.6	49.9	114.6	334.6	205.8	538.5	9.1	128.1	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	31.1	156.0	24.2	48.9	109.5	315.9	185.4	492.6	8.3	121.7	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	31.9	156.7	25.1	50.8	111.1	325.9	193.8	510.0	10.5	112.5	(NA)	(NA)
1958 Census[2]	763	250	30.3	142.6	23.6	45.7	99.7	267.3	168.2	440.1	8.6	101.2	91	85
INDUSTRY 3425.--HANDSAWS AND SAW BLADES														
1967 Census	85	49	6.3	43.4	4.8	10.1	29.5	97.1	58.3	154.3	3.9	35.0	80	82
1966 ASM[1]	(NA)	(NA)	6.2	40.9	4.8	10.4	28.6	99.5	52.4	149.9	2.8	30.2	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	5.7	36.5	4.5	9.4	25.1	81.7	44.8	125.3	2.3	27.0	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	5.0	31.3	3.7	7.7	20.2	68.1	39.6	106.4	2.7	25.0	(NA)	(NA)
1963 Census	76	42	5.1	29.1	3.8	7.7	19.6	65.6	38.6	102.8	6.3	24.4	78	85
1962 ASM[1]	(NA)	(NA)	5.3	29.1	4.0	8.0	18.9	64.9	37.6	102.7	2.2	22.0	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	5.5	29.7	4.1	8.1	19.1	67.5	38.3	102.3	1.8	23.0	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	5.5	29.7	4.0	8.4	19.5	65.2	34.8	100.1	2.3	23.1	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	5.7	30.9	4.3	8.6	21.4	67.5	38.5	105.2	1.6	22.0	(NA)	(NA)
1958 Census[2]	89	38	5.5	28.3	4.1	7.9	18.5	53.7	32.8	87.6	1.2	20.6	82	90
INDUSTRY 3429.--HARDWARE, N.E.C.														
1967 Census	1,041	484	100.8	686.7	80.0	171.4	492.4	1,435.5	954.5	2,368.3	81.3	389.5	91	95
1966 ASM[1]	(NA)	(NA)	102.7	675.3	81.9	166.6	485.6	1,398.2	960.0	2,343.8	87.6	365.7	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	98.0	635.2	78.5	162.3	463.7	1,294.8	927.8	2,209.1	98.8	333.9	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	92.5	579.6	73.8	149.5	422.1	1,149.8	811.3	1,937.9	86.4	319.7	(NA)	(NA)
1963 Census	1,069	446	88.1	529.2	70.2	145.6	383.4	1,063.7	730.5	1,785.1	71.0	277.5	91	93
1962 ASM[1]	(NA)	(NA)	89.9	500.6	69.2	142.0	355.2	966.6	693.6	1,651.8	36.6	265.7	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	87.2	465.2	65.8	133.1	320.7	838.3	636.9	1,467.4	39.2	259.0	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	92.2	497.1	71.4	145.0	344.1	886.1	668.8	1,552.4	37.8	252.2	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	89.3	472.0	69.6	145.7	329.5	872.9	647.7	1,500.8	26.9	258.8	(NA)	(NA)
1958 Census[2]	1,059	454	88.1	433.3	68.1	134.2	301.5	754.9	590.7	1,347.9	25.6	229.5	89	93

Note: In 1967, 1963, and 1958, the number of companies in industry 3411 was 96, 99, and 82, respectively; in industry 3421: 138, 156, and 178; industry 3423: 630, 681, and 731; industry 3425: 74, 70, and 82; industry 3429: 979, 1,025, and 1,022. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3411.--METAL CANS								
1967 Census	7,867	87	2,155	3.49	.62	.78	18,930	42	10,129
1966 ASM	7,614	87	2,116	3.41	.60	.77	17,776	43	9,670
1965 ASM	7,696	85	2,215	3.40	.59	.77	18,432	42	9,820
1964 ASM	7,276	86	2,149	3.24	.59	.77	16,935	43	9,140
1963 Census	7,081	87	2,111	3.20	.61	.79	15,598	45	8,530
1962 ASM	6,959	87	2,139	3.10	.63	.81	14,554	48	7,850
1961 ASM	6,515	87	2,078	2.99	.64	.81	14,220	46	7,900
1960 ASM	6,230	87	2,066	2.87	.66	.83	12,439	50	6,950
1959 ASM	6,177	87	2,088	2.81	.65	.82	12,430	50	6,860
1958 Census	5,603	87	2,010	2.65	.64	.81	12,327	45	7,090
	INDUSTRY 3421.--CUTLERY								
1967 Census	6,169	80	1,971	2.66	.28	.49	21,254	29	13,478
1966 ASM	5,839	78	2,013	2.54	.29	.50	19,715	31	12,621
1965 ASM	5,648	78	2,037	2,42	.28	.51	18,115	31	11,460
1964 ASM	5,542	79	2,118	2.25	.28	.50	18,155	31	10,870
1963 Census	5,431	80	2,036	2.27	.26	.48	18,079	30	11,080
1962 ASM	5,301	76	2,016	2.13	.25	.50	15,670	34	10,190
1961 ASM	5,164	74	2,021	2.14	.25	.51	14,965	35	10,050
1960 ASM	4,942	76	2,004	2.05	.26	.53	14,117	35	9,270
1959 ASM	4,651	73	1,977	2.01	.26	.54	12,422	37	8,560
1958 Census	4,458	77	1,975	1.94	.29	.58	10,676	42	7,020
	INDUSTRY 3423.--HAND AND EDGE TOOLS, N.E.C.								
1967 Census	6,487	80	2,017	2.86	.38	.67	14,189	46	8,798
1966 ASM	6,451	79	2,092	2.79	.38	.68	13,480	48	8,150
1965 ASM	6,020	79	2,024	2.71	.38	.68	12,916	47	8,120
1964 ASM	5,913	78	2,027	2.65	.38	.69	11,943	50	7,570
1963 Census	5,617	78	1,988	2.58	.37	.68	11,571	49	7,480
1962 ASM	5,340	77	2,066	2.34	.40	.70	10,622	50	6,650
1961 ASM	5,150	77	2,030	2.30	.38	.69	10,449	49	6,710
1960 ASM	5,015	78	2,022	2.24	.38	.69	10,157	49	6,470
1959 ASM	4,908	79	2,025	2.19	.38	.69	10,209	48	6,420
1958 Census	4,709	78	1,935	2.18	.38	.71	8,830	53	5,850
	INDUSTRY 3425.--HANDSAWS AND SAW BLADES								
1967 Census	6,889	76	2,104	2.92	.38	.66	15,413	45	9,614
1966 ASM	6,607	78	2,175	2.74	.35	.62	16,086	41	9,540
1965 ASM	6,381	78	2,116	2.66	.36	.65	14,268	45	8,650
1964 ASM	6,235	74	2,084	2.63	.37	.67	13,593	46	8,870
1963 Census	5,721	74	2,049	2.54	.38	.66	12,882	44	8,500
1962 ASM	5,509	75	2,033	2.34	.37	.65	12,277	45	8,060
1961 ASM	5,410	75	1,983	2.35	.37	.67	12,284	44	8,300
1960 ASM	5,448	74	2,074	2.32	.35	.64	11,964	46	7,780
1959 ASM	5,470	76	2,000	2.48	.37	.66	11,939	46	7,820
1958 Census	5,139	74	1,934	2.34	.37	.70	9,740	53	6,810
	INDUSTRY 3429.--HARDWARE, N.E.C.								
1967 Census	6,813	79	2,143	2.87	.40	.69	14,241	48	8,375
1966 ASM	6,576	80	2,034	2.91	.41	.70	13,614	48	8,390
1965 ASM	6,484	80	2,069	2.86	.42	.71	13,216	49	7,980
1964 ASM	6,265	80	2,027	2.82	.42	.72	12,430	50	7,690
1963 Census	6,004	80	2,073	2.63	.41	.71	12,068	50	7,300
1962 ASM	5,567	77	2,053	2.50	.42	.72	10,750	52	6,810
1961 ASM	5,336	75	2,022	2.41	.43	.75	9,617	55	6,300
1960 ASM	5,392	77	2,031	2.37	.43	.75	9,611	56	6,110
1959 ASM	5,283	78	2,095	2.26	.43	.75	9,770	54	5,990
1958 Census	4,918	77	1,971	2.25	.44	.76	8,569	57	5,630

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3411-- METAL CANS													
UNITED STATES	299	241	60.3	474.4	52.3	112.7	393.3	1 141.5	1 786.2	2 890.6	100.1	53.2	830.5
NORTHEAST REGION	73	61	15.8	121.1	13.8	30.1	101.1	289.0	372.7	652.7	26.0	14.0	203.0
NEW ENGLAND DIVISION	9	6	1.0	6.9	.8	1.8	5.5	18.6	28.1	45.5	1.6	.8	13.0
MAINE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	64	55	14.8	114.1	13.0	28.4	95.5	270.4	344.6	607.2	24.5	13.2	190.0
NEW YORK	27	19	2.9	22.5	2.6	5.3	18.9	58.2	66.9	123.5	5.0	3.3	44.3
NEW JERSEY	22	22	7.5	58.6	6.4	14.6	48.0	134.3	182.9	313.8	10.6	5.6	90.5
PENNSYLVANIA	15	14	4.4	33.1	4.0	8.4	28.7	77.9	94.9	170.0	8.8	4.4	55.1
NORTH CENTRAL REGION	82	70	22.0	172.4	18.9	40.2	140.9	399.5	599.0	987.2	30.9	19.3	295.5
EAST NORTH CENTRAL DIVISION	65	56	16.9	129.7	14.4	30.5	104.9	289.1	426.0	707.2	21.4	15.1	226.7
OHIO	19	17	2.7	19.8	2.2	4.9	15.1	55.4	76.5	131.1	6.8	[2](D)	[2](D)
INDIANA	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	23	22	10.4	79.7	8.9	18.7	64.6	151.9	200.3	349.1	6.8	10.1	139.3
MICHIGAN	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	13	11	2.5	19.9	2.2	4.5	16.6	51.3	91.5	139.8	(D)	2.0	27.9
WEST NORTH CENTRAL DIVISION	17	14	5.1	42.7	4.5	9.7	35.9	110.4	173.0	279.9	9.5	4.1	68.8
MINNESOTA	6	5	1.4	12.3	1.2	2.9	10.4	34.8	60.3	92.7	2.5	[2](D)	[2](D)
MISSOURI	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2]2.5	[2]40.0
NEBRASKA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	65	49	11.2	88.3	9.7	21.3	73.6	208.7	390.7	594.5	19.1	10.0	143.0
SOUTH ATLANTIC DIVISION	33	26	6.9	54.8	5.9	13.2	46.2	113.0	237.5	347.8	10.6	6.2	84.3
MARYLAND	12	11	3.6	27.8	3.1	6.5	23.4	53.2	110.0	161.9	3.1	3.7	44.2
VIRGINIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	11	8	2.1	18.3	1.8	4.3	15.4	45.8	84.6	128.6	3.7	1.6	24.8
EAST SOUTH CENTRAL DIVISION	12	8	.5	3.0	.4	.9	2.6	9.8	25.9	35.1	.3	.4	8.4
TENNESSEE	6	4	.2	1.2	.2	.4	1.0	3.8	13.3	17.0	.1	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	20	15	3.9	30.5	3.3	7.1	24.8	85.8	127.3	211.7	8.2	3.4	50.3
LOUISIANA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	15	11	2.5	19.2	2.1	4.5	15.4	57.8	91.0	147.9	(D)	2.0	33.2
WEST REGION	79	61	11.3	92.7	9.9	21.1	77.8	244.3	423.9	656.2	23.0	9.9	189.0
MOUNTAIN DIVISION	10	7	.4	3.6	.4	.8	2.7	13.7	29.2	43.3	.6	.4	11.5
COLORADO	3	3	.3	2.5	.2	.5	1.8	9.0	19.9	28.9	(D)	.2	7.3
PACIFIC DIVISION	69	54	10.9	89.1	9.5	20.3	75.1	230.6	394.7	612.8	22.4	9.5	177.5
WASHINGTON	8	8	1.0	8.2	.9	1.9	7.0	23.9	50.7	72.6	2.7	.8	18.5
OREGON	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	50	39	9.0	74.5	7.8	16.7	63.0	188.9	296.3	475.1	18.7	7.9	143.4
HAWAII	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3421-- CUTLERY													
UNITED STATES	146	69	13.0	80.2	10.4	20.5	54.5	276.3	104.9	378.5	11.5	11.8	214.0
NORTHEAST REGION	80	48	10.5	66.7	8.5	16.7	45.3	241.3	90.8	328.8	10.1	9.1	182.6
NEW ENGLAND DIVISION	32	19	6.7	44.0	5.1	9.8	27.7	202.4	66.0	265.6	8.8	5.1	148.5
NEW HAMPSHIRE[e]	5	3	.2	.9	.2	.3	.6	1.6	1.0	2.6	.1	.2	1.2
MASSACHUSETTS	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
RHODE ISLAND	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	14	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	48	29	3.9	22.7	3.3	7.0	17.6	38.9	24.8	63.2	1.3	4.0	34.1
NEW YORK	20	15	1.5	8.5	1.3	2.6	6.7	15.8	10.5	26.2	(D)	2.1	16.7
NEW JERSEY	22	10	1.8	11.0	1.5	3.2	8.0	18.2	11.1	29.1	.8	[2](D)	[2](D)
PENNSYLVANIA	6	4	.6	3.3	.5	1.2	2.9	4.9	3.2	7.9	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	40	11	1.0	5.6	.9	1.7	4.2	12.1	6.0	17.7	.3	1.3	14.2
EAST NORTH CENTRAL DIVISION	30	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	12	4	.6	3.4	.5	1.1	2.6	7.7	3.1	10.5	.2	.9	10.3
WISCONSIN	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	11	6	1.1	6.2	.8	1.5	3.8	19.9	6.5	27.5	1.1	(D)	(D)
SOUTH ATLANTIC DIVISION	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION[e]	15	4	.3	1.6	.3	.5	1.2	3.0	1.6	4.6	(Z)	(D)	(D)
PACIFIC DIVISION	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3423-- HAND AND EDGE TOOLS, NEC													
UNITED STATES	667	252	35.9	232.9	28.7	57.9	165.8	509.4	311.9	813.5	23.3	31.5	364.3
NORTHEAST REGION	244	105	15.0	92.6	12.2	24.9	67.5	187.1	133.4	311.6	9.7	14.1	149.3
NEW ENGLAND DIVISION	104	46	5.5	36.7	4.3	8.9	26.1	72.5	51.6	119.9	4.2	5.6	54.5
MASSACHUSETTS	52	22	2.7	18.4	2.3	4.7	13.8	35.1	28.2	59.7	2.5	3.0	28.0
CONNECTICUT	27	15	2.3	16.1	1.7	3.5	10.8	33.1	21.9	54.5	1.6	2.1	22.0
MIDDLE ATLANTIC DIVISION	140	59	9.5	55.9	7.9	16.0	41.4	114.6	81.8	191.7	5.5	8.5	94.9
NEW YORK	64	24	4.8	27.9	3.9	7.8	20.3	59.9	47.5	105.0	2.2	4.1	47.4
NEW JERSEY	29	14	1.7	9.7	1.4	2.9	7.1	17.5	11.2	28.4	.7	1.6	18.7
PENNSYLVANIA	47	21	3.0	18.4	2.6	5.3	14.0	37.1	23.1	58.3	2.5	2.7	28.8
NORTH CENTRAL REGION	270	105	14.9	101.7	11.9	23.9	72.9	230.0	121.4	353.0	9.1	12.9	164.0
EAST NORTH CENTRAL DIVISION	212	77	11.8	81.7	9.2	18.4	57.9	195.4	100.8	298.6	6.7	10.4	138.8
OHIO	68	30	5.1	36.5	4.1	8.3	26.4	83.6	39.0	122.9	2.3	4.4	56.2
INDIANA	22	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	60	23	3.3	22.6	2.5	5.1	16.1	56.1	28.8	84.5	2.8	3.1	41.9
MICHIGAN	46	13	.9	6.3	.6	1.2	3.4	14.9	6.8	21.5	.3	.8	11.4
WISCONSIN	16	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	58	28	3.1	20.0	2.6	5.5	15.0	34.6	20.6	54.4	2.4	2.5	25.2
MINNESOTA	15	6	1.2	7.5	1.0	2.0	5.5	12.0	9.0	20.5	1.0	.9	8.1
IOWA	9	2	.2	1.0	.1	.3	.7	2.2	1.4	3.6	.3	.2	1.8
MISSOURI	19	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEBRASKA	6	4	.3	1.9	.3	.7	1.5	4.0	1.5	5.5	(Z)	[2](D)	[2](D)
KANSAS	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	50	20	3.2	19.5	2.6	5.3	13.5	47.6	33.2	80.8	2.0	2.6	29.3
SOUTH ATLANTIC DIVISION	24	12	2.8	17.4	2.2	4.5	12.1	40.5	20.0	60.6	1.9	2.3	26.2
WEST VIRGINIA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA [6]	7	4	.7	4.5	.5	1.0	2.0	8.4	6.7	14.8	.5	[2](D)	[2](D)
SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	11	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	15	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	103	22	2.7	19.1	1.9	3.8	11.8	44.8	23.9	68.1	2.5	1.8	21.7
MOUNTAIN DIVISION	9	4	.3	2.0	.2	.4	1.1	4.7	3.5	8.1	.8	.2	2.0
COLORADO	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	94	18	2.4	17.1	1.7	3.4	10.7	40.1	20.4	60.0	1.7	1.7	19.7
OREGON	8	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	81	16	2.1	15.1	1.5	2.9	9.2	36.0	17.5	53.0	(D)	1.4	17.0
3425-- HANDSAWS AND SAW BLADES													
UNITED STATES	85	49	6.3	43.4	4.8	10.1	29.5	97.1	58.3	154.3	3.9	5.1	65.6
NORTHEAST REGION	31	21	3.3	23.7	2.4	5.1	16.0	50.2	30.8	80.3	2.0	2.7	37.8
NEW ENGLAND DIVISION	9	9	2.2	16.7	1.7	3.6	11.6	39.5	23.3	62.2	1.3	2.0	30.1
MASSACHUSETTS	4	4	1.5	12.2	1.2	2.6	8.9	31.7	17.4	48.6	1.0	[2](D)	[2](D)
CONNECTICUT	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	22	12	1.1	7.0	.8	1.6	4.4	10.7	7.6	18.1	.7	.7	7.7
NEW YORK	11	6	.6	3.8	.4	.8	2.2	4.7	4.6	9.2	(D)	.4	4.5
PENNSYLVANIA	8	6	.5	3.0	.4	.7	2.1	5.8	2.9	8.6	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	29	16	1.3	9.1	1.1	2.2	6.3	21.7	10.8	32.6	.8	.9	12.2
EAST NORTH CENTRAL DIVISION	27	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	11	4	.3	1.8	.2	.5	1.3	2.9	1.5	4.5	.1	.3	3.1
ILLINOIS	9	7	.5	3.9	.4	.9	2.7	10.3	4.8	15.5	.4	[2](D)	[2](D)
MICHIGAN	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	14	7	1.4	8.4	1.1	2.3	5.7	20.1	14.8	34.5	1.0	1.2	12.7
SOUTH ATLANTIC DIVISION [6]	9	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	11	5	.3	2.2	.2	.5	1.4	5.1	1.9	6.9	.1	.2	3.0
PACIFIC DIVISION	11	5	.3	2.2	.2	.5	1.4	5.1	1.9	6.9	.1	.2	3.0
OREGON	5	2	.2	1.2	.1	.3	.9	2.5	1.2	3.6	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3429-- HARDWARE, NEC													
UNITED STATES	1 041	484	100.8	686.7	80.0	171.4	492.4	1 435.5	954.5	2 368.3	81.3	88.1	1 063.7
NORTHEAST REGION	345	147	29.4	188.2	23.0	44.7	130.1	370.2	222.9	588.5	21.0	27.1	291.3
NEW ENGLAND DIVISION	105	53	14.2	83.6	10.9	20.7	55.7	155.6	90.8	245.2	12.5	13.2	119.2
NEW HAMPSHIRE	4	3	.4	2.3	.3	.6	1.5	4.0	2.7	6.7	.2	.4	2.9
MASSACHUSETTS	37	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	19.0
RHODE ISLAND	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	57	31	10.3	64.0	8.0	15.3	43.3	121.6	66.5	186.7	10.8	9.5	94.9
MIDDLE ATLANTIC DIVISION	240	94	15.2	104.6	12.0	24.0	74.4	214.6	132.1	343.3	8.5	14.0	172.1
NEW YORK	131	46	6.8	46.3	5.2	10.7	31.3	84.5	64.5	148.1	5.4	5.9	60.9
NEW JERSEY	44	20	5.5	42.0	4.5	8.7	31.9	98.8	48.0	145.0	1.6	5.3	87.9
PENNSYLVANIA	65	28	2.9	16.3	2.3	4.6	11.2	31.3	19.6	50.2	1.4	2.8	23.3
NORTH CENTRAL REGION	391	209	52.1	383.1	42.2	86.3	287.2	837.2	579.0	1 403.1	46.6	44.8	603.5
EAST NORTH CENTRAL DIVISION	344	188	49.6	368.3	40.1	82.3	276.9	807.3	553.5	1 347.9	45.5	42.9	584.1
OHIO	63	40	12.4	100.6	9.7	19.9	75.9	245.9	175.5	421.1	12.0	8.5	133.1
INDIANA	38	21	2.7	16.2	2.1	4.3	11.4	37.7	32.3	69.2	1.7	2.8	33.0
ILLINOIS	100	58	13.6	86.5	10.9	21.5	62.4	162.7	104.2	264.8	8.4	11.6	121.7
MICHIGAN	110	57	17.7	142.7	14.8	31.2	111.2	313.6	211.8	518.6	20.2	17.6	266.3
WISCONSIN	33	12	3.2	22.2	2.6	5.4	15.9	47.3	29.7	74.1	3.2	2.4	30.0
WEST NORTH CENTRAL DIVISION	47	21	2.5	14.8	2.1	4.1	10.4	29.9	25.5	55.2	1.1	1.9	19.4
MINNESOTA	17	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.6
IOWA	5	3	.5	2.9	.4	.7	2.0	6.7	7.1	13.6	.1	.5	4.2
MISSOURI	16	9	1.1	7.4	1.0	1.9	4.9	13.2	7.9	20.6	.6	.9	8.9
SOUTH REGION	108	54	9.0	44.3	7.2	24.8	30.0	90.8	68.3	158.2	5.6	7.5	66.5
SOUTH ATLANTIC DIVISION	47	24	3.1	15.2	2.5	15.4	10.2	34.3	20.8	55.6	1.2	2.7	24.2
VIRGINIA	5	4	.4	2.1	.4	.8	1.2	1.3	1.3	3.3	(D)	[2](D)	[2](D)
NORTH CAROLINA	12	7	1.1	6.1	.9	12.3	4.1	18.4	9.8	28.3	.6	.8	5.5
SOUTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	19	8	.8	4.0	.6	1.2	2.6	7.6	4.9	12.4	.3	.9	11.7
EAST SOUTH CENTRAL DIVISION	22	17	4.7	22.8	3.8	7.6	16.0	45.9	33.2	78.2	3.5	3.8	34.4
KENTUCKY	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	14	10	3.6	17.3	2.9	5.7	12.1	33.2	21.8	54.0	2.4	[2](D)	[2](D)
ALABAMA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	39	13	1.2	6.3	.9	1.8	3.8	10.6	14.3	24.4	.9	1.0	7.8
ARKANSAS	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	4.8
OKLAHOMA	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	28	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.0
WEST REGION	197	74	10.2	71.0	7.6	15.6	45.0	137.3	84.3	218.6	8.1	8.7	102.5
MOUNTAIN DIVISION	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	2.2
COLORADO	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	2.1
PACIFIC DIVISION	189	72	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.6	100.3
WASHINGTON	12	2	.2	1.3	.1	.3	1.1	2.5	1.3	4.0	(D)	.1	1.7
OREGON	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.4
CALIFORNIA	164	65	9.3	65.5	6.9	14.3	41.0	125.8	76.0	198.7	7.1	8.1	96.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Metal cans (SIC 3411)	Cutlery (SIC 3421)	Hand and edge tools, n.e.c. (SIC 3423)	Handsaws and saw blades (SIC 3425)	Hardware, n.e.c. (SIC 3429)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.90	.79	.93	.80	.91
COVERAGE RATIO[2]	.98	.95	.85	.82	.95
ESTABLISHMENTS, TOTAL ..... NUMBER	299	146	667	85	1 041
WITH 1 TO 19 EMPLOYEES ..... DO	58	77	415	36	557
WITH 20 TO 99 EMPLOYEES ..... DO	104	41	165	33	290
WITH 100 EMPLOYEES OR MORE ..... DO	137	28	87	16	194
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	60.3	13.0	35.9	6.3	100.8
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	474.4	80.2	232.9	43.4	686.7
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	52.3	10.4	28.7	4.8	80.0
MARCH ..... DO	50.5	10.8	29.6	4.9	79.3
MAY ..... DO	52.6	10.4	29.2	4.8	78.2
AUGUST ..... DO	54.6	10.3	27.7	4.6	78.6
NOVEMBER ..... DO	51.3	10.2	28.2	4.8	83.7
MAN-HOURS ..... MILLIONS	112.7	20.5	57.9	10.1	171.4
JANUARY-MARCH ..... DO	26.2	5.4	15.4	2.6	41.5
APRIL-JUNE ..... DO	29.4	5.4	15.0	2.6	40.9
JULY-SEPTEMBER ..... DO	29.4	4.5	13.2	2.3	43.0
OCTOBER-DECEMBER ..... DO	27.7	5.2	14.3	2.6	46.0
WAGES ..... MILLION DOLLARS	393.3	54.5	165.8	29.5	492.4
COST OF MATERIALS, ETC., TOTAL ..... DO	1 786.2	104.9	311.9	58.3	954.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	1 713.4	94.4	245.6	49.9	855.9
COST OF RESALES ..... DO	46.7	3.5	46.8	5.6	43.3
FUELS CONSUMED ..... DO	9.1	1.2	4.3	.6	8.8
PURCHASED ELECTRIC ENERGY ..... DO	10.9	1.6	4.4	1.2	13.4
CONTRACT WORK ..... DO	6.1	4.1	10.9	1.0	33.1
VALUE OF SHIPMENTS, INCLUDING RESALES ..... DO	2 890.6	378.5	813.5	154.3	2 368.3
VALUE OF RESALES ..... DO	48.5	5.6	71.4	5.5	58.4
VALUE ADDED BY MANUFACTURE ..... DO	1 141.5	276.3	509.4	97.1	1 435.5
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL ..... DO	390.6	60.2	166.3	33.9	370.6
FINISHED PRODUCTS ..... DO	136.2	23.5	66.0	12.1	87.6
WORK IN PROCESS ..... DO	104.7	14.5	61.9	9.6	155.6
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	149.7	22.2	38.4	12.2	127.4
END OF YEAR, TOTAL ..... DO	449.6	62.8	177.5	35.0	389.5
FINISHED PRODUCTS ..... DO	153.7	25.2	70.3	12.3	96.6
WORK IN PROCESS ..... DO	124.4	15.4	65.5	10.4	168.2
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	171.6	22.2	41.7	12.4	124.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	104.1	11.7	25.3	4.3	86.2
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	99.2	11.5	23.3	3.9	81.3
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	11.8	1.5	6.8	.9	17.6
NEW MACHINERY AND EQUIPMENT ..... DO	87.3	9.9	16.5	3.0	63.7
USED PLANT AND EQUIPMENT ..... DO	4.9	.1	1.9	.4	4.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3411-- METAL CANS											
ESTABLISHMENTS, TOTAL	299	60.3	474.4	52.3	112.7	393.3	1 141.5	1 786.2	2 890.6	99.2	449.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	21	(Z)	.3	(Z)	.1	.2	.7	1.3	2.1	6.5	.3
5 TO 9 EMPLOYEES	8	.1	.4	(Z)	.1	.3	1.8	3.7	5.3	(D)	.7
10 TO 19 EMPLOYEES	29	.4	2.7	.3	.7	2.1	13.6	23.0	35.8	(D)	6.9
20 TO 49 EMPLOYEES	61	1.9	13.1	1.7	3.4	10.6	43.3	87.6	128.7	9.5	18.4
50 TO 99 EMPLOYEES	43	3.2	22.8	2.7	6.0	18.3	78.5	129.7	205.1	7.0	35.9
100 TO 249 EMPLOYEES	61	10.0	76.9	8.6	18.6	63.3	241.2	402.9	634.6	22.3	103.7
250 TO 499 EMPLOYEES	40	13.6	104.6	11.6	24.8	85.6	251.2	398.1	641.9	20.7	100.4
500 TO 999 EMPLOYEES	27	31.0	253.6	27.3	58.9	212.8	511.1	739.8	1 237.1	33.2	183.3
1,000 TO 2,499 EMPLOYEES	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3421-- CUTLERY											
ESTABLISHMENTS, TOTAL	146	13.0	80.2	10.4	20.5	54.5	276.3	104.9	378.5	11.5	62.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	41	.1	.4	.1	.1	.3	1.1	.5	1.6	.2	.3
5 TO 9 EMPLOYEES	19	.1	.8	.1	.2	.6	1.9	1.4	3.3	(D)	.4
10 TO 19 EMPLOYEES	17	.2	1.1	.2	.3	.8	2.1	1.1	3.2	(D)	.5
20 TO 49 EMPLOYEES	24	.7	3.6	.6	1.2	2.7	7.1	6.0	12.9	.1	1.9
50 TO 99 EMPLOYEES	17	1.3	6.9	1.1	2.2	5.1	13.4	9.4	22.3	.3	3.9
100 TO 249 EMPLOYEES	20	3.4	18.0	2.9	5.8	13.9	31.7	18.8	49.9	1.0	10.7
250 TO 499 EMPLOYEES	3	1.1	6.2	.9	2.0	4.7	10.1	5.5	15.4	.6	4.0
500 TO 999 EMPLOYEES	3	6.1	43.1	4.5	8.7	26.4	209.1	62.1	269.9	9.2	41.0
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	41	.1	.5	.1	.2	.4	1.2	.6	1.7	(Z)	.3
3423-- HAND AND EDGE TOOLS, NEC											
ESTABLISHMENTS, TOTAL	667	35.9	232.9	28.7	57.9	165.8	509.4	311.9	813.5	23.3	177.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	242	.4	2.0	.4	.6	1.4	8.1	3.5	11.6	(Z)	1.4
5 TO 9 EMPLOYEES [e]	83	.6	3.5	.5	1.0	2.4	7.3	4.4	11.6	.3	1.8
10 TO 19 EMPLOYEES	90	1.3	7.9	1.0	1.9	5.3	15.9	8.0	23.7	.4	3.0
20 TO 49 EMPLOYEES	106	3.4	19.9	2.8	5.4	13.9	40.2	23.3	62.8	1.7	11.0
50 TO 99 EMPLOYEES	59	4.1	25.7	3.3	6.9	17.6	57.1	39.8	95.4	2.5	17.1
100 TO 249 EMPLOYEES	49	7.7	48.7	6.2	12.8	35.0	102.7	67.2	169.2	7.1	40.2
250 TO 499 EMPLOYEES	27	9.5	62.4	7.6	15.4	45.4	141.9	77.7	218.2	5.1	50.6
500 TO 999 EMPLOYEES	9	9.0	62.8	6.9	13.9	44.9	136.3	87.9	221.1	6.2	52.6
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	251	.6	2.8	.6	.9	2.0	6.8	4.0	10.9	.1	2.1
3425-- HANDSAWS AND SAW BLADES											
ESTABLISHMENTS, TOTAL	85	6.3	43.4	4.8	10.1	29.5	97.1	58.3	154.3	3.9	35.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	14	.1	.6	.1	.1	.4	4.5	2.4	6.9	.2	1.4
5 TO 9 EMPLOYEES [e]	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	12	.2	1.0	.1	.2	.6	2.2	1.8	4.0	.1	.5
20 TO 49 EMPLOYEES	17	.5	3.7	.4	.9	2.6	5.6	3.7	9.8	.1	1.6
50 TO 99 EMPLOYEES	16	1.1	6.8	.9	1.8	4.5	13.6	5.7	19.1	.7	4.6
100 TO 249 EMPLOYEES	11	4.3	31.2	3.2	6.9	21.4	71.3	44.7	114.6	2.8	27.0
250 TO 499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3429-- HARDWARE, NEC											
ESTABLISHMENTS, TOTAL	1 041	100.8	686.7	80.0	171.4	492.4	1 435.5	954.5	2 368.3	81.3	389.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	301	.5	2.7	.5	.8	2.0	7.6	5.4	13.0	5.2	2.1
5 TO 9 EMPLOYEES [e]	124	.8	5.2	.7	11.9	3.5	11.2	10.7	21.9	(D)	3.1
10 TO 19 EMPLOYEES	132	1.8	10.8	1.5	2.8	7.4	21.3	18.2	39.1	.8	5.2
20 TO 49 EMPLOYEES	191	6.1	35.6	4.9	9.6	23.8	72.6	66.8	137.7	4.7	19.8
50 TO 99 EMPLOYEES	99	6.9	41.6	5.4	10.7	27.4	83.7	62.5	146.4	3.8	25.9
100 TO 249 EMPLOYEES	105	16.5	102.1	13.1	26.3	69.0	205.6	159.5	360.9	11.5	71.1
250 TO 499 EMPLOYEES	54	18.0	110.0	13.9	28.2	76.2	204.9	152.8	359.0	11.4	66.0
500 TO 999 EMPLOYEES	18	12.9	89.1	9.9	19.9	61.1	191.4	135.3	323.6	10.1	63.7
1,000 TO 2,499 EMPLOYEES	13	37.3	289.4	30.2	61.3	222.1	637.2	343.3	966.7	33.8	132.6
2,500 EMPLOYEES OR MORE	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	328	.8	4.1	.8	1.2	3.0	9.3	7.4	16.8	.3	3.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3411	Metal cans.....1967..	2,890.6	2,533.9	276.4	80.3	90	2,585.7	2,533.9	51.8	98
	1963..	2,075.0	1,960.1	62.9	52.0	97	2,002.2	1,960.1	42.1	98
3421	Cutlery.....1967..	378.5	293.5	77.2	7.8	79	308.9	293.5	15.4	95
	1963..	283.4	246.2	29.7	7.3	89	254.3	246.2	8.1	97
3423	Hand and edge tools, n.e.c.....1967..	813.5	661.1	51.1	101.3	93	775.1	661.1	114.0	85
	1963..	565.6	444.9	69.4	51.2	87	536.1	444.9	91.2	84
3425	Handsaws and saw blades.....1967..	154.3	112.8	28.8	12.7	80	138.0	112.8	25.2	82
	1963..	102.8	72.1	20.0	10.7	78	85.0	72.1	12.9	85
3429	Hardware, n.e.c.....1967..	2,368.3	2,073.6	202.4	92.3	91	2,188.2	2,073.6	114.6	95
	1963..	1,785.1	1,553.0	158.2	73.9	91	1,663.1	1,553.0	110.1	93

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Metal cans (SIC 3411)	Cutlery (SIC 3421)	Hand and edge tools, n.e.c. (SIC 3423)	Handsaws and saw blades (SIC 3425)	Hardware, n.e.c. (SIC 3429)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	2,890.6	378.5	813.5	154.3	2,368.3	(X)
3411-	Metal cans.....	2,585.7	2,533.9	-	-	-	-	51.8
3421	Cutlery.....	308.9	-	293.5	6.5	(under 2)	(under 2)	(2-5)
34211	Cutlery scissors, shears, trimmers, and snips.....	121.0	-	106.2	6.5	(D)	(D)	(D)
34212	Razor blades and razors, except electric.....	177.1	-	176.5	-	-	-	0.6
34210	Cutlery, handtools and hardware, n.s.k.....	10.8	-	10.8	-	-	-	-
3423-	Hand and edge tools, n.e.c.....	775.1	-	2.8	661.1	17.2	2.9	91.1
34231	Mechanics' hand service tools.....	391.5	-	(D)	326.5	(D)	(D)	60.9
34232	Edge tools, hand operated.....	127.8	-	(D)	96.2	(D)	(D)	15.0
34233	Files, rasps, and file accessories and other handtools..	190.5	-	(D)	173.1	(D)	-	15.2
34230	Hand and edge tools, n.s.k.....	65.3	-	-	65.3	-	-	-
3425-	Handsaws and saw blades.....	138.0	-	0.2	6.3	112.8	-	18.7
3429-	Hardware, n.e.c.....	2,188.2	-	-	1.5	-	2,073.6	113.1
34291	Transportation equipment hardware.....	985.1	-	-	-	-	960.9	24.2
34292	Furniture hardware.....	120.9	-	-	-	-	115.2	5.7
34293	Vacuum and insulated bottles, jugs, and chests.....	55.9	-	-	-	-	48.9	7.0
34294	Builders' hardware.....	593.4	-	-	-	-	572.0	21.4
34295	Other hardware.....	335.7	-	-	1.5	-	283.0	51.2
34290	Hardware, n.e.c., n.s.k.....	97.2	-	-	-	-	93.6	3.6

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Metal cans (SIC 3411)	Cutlery (SIC 3421)	Hand and edge tools, n.e.c. (SIC 3423)	Handsaws and saw blades (SIC 3425)	Hardware, n.e.c. (SIC 3429)	Other industries
	Other product shipments by 4-digit product group							
2651	Folding paperboard boxes	(X)	(over 2)	-	-	-	-	(X)
2655	Fiber cans, drums, and related material	(X)	(20-50)	-	-	-	-	(X)
2752	Commercial printing, lithographic	(X)	(100-200)	-	-	-	-	(X)
2844	Toilet preparations	(X)	-	(50-100)	-	-	-	(X)
3079	Miscellaneous plastics products	(X)	-	-	-	-	-	(X)
3293	Gaskets and insulations	(X)	(over 2)	-	-	-	-	(X)
3352	Rolled and drawn aluminum	(X)	(over 2)	-	-	-	-	(X)
3391	Iron and steel forgings	(X)	-	-	3.1	-	-	(X)
3432	Plumbing fittings and brass goods	(X)	-	-	(5-10)	-	-	(X)
3451	Screw machine products	(X)	-	-	-	-	(2-5)	(X)
3452	Bolts, nuts, rivets, and washers	(X)	-	-	2.8	-	-	(X)
3461	Metal stampings	(X)	21.7	-	2.6	-	15.9	(X)
3481	Miscellaneous fabricated wire products	(X)	-	-	-	-	(20-50)	(X)
3491	Metal barrels, drums, and pails	(X)	11.2	-	-	-	-	(X)
3494	Valves and pipe fittings	(X)	-	-	-	-	10.3	(X)
3498	Fabricated pipe and fittings	(X)	-	-	-	-	(over 2)	(X)
3499	Fabricated metal products, n.e.c.	(X)	-	-	-	-	2.9	(X)
3535	Conveyors and conveying equipment	(X)	-	-	-	-	(2-5)	(X)
3537	Industrial trucks and tractors	(X)	-	-	-	-	2.6	(X)
3541	Machine tools, metal-cutting types	(X)	-	-	(10-20)	-	-	(X)
3542	Machine tools metal-forming types	(X)	(over 2)	-	-	-	-	(X)
3544	Special dies, tools, jigs, and fixtures	(X)	-	-	-	-	73.8	(X)
3545	Machine tool accessories	(X)	-	-	6.9	-	-	(X)
3569	General industrial machinery, n.e.c.	(X)	-	-	-	-	(5-10)	(X)
3585	Refrigeration machinery	(X)	-	-	-	-	(5-10)	(X)
3642	Lighting fixtures	(X)	-	-	-	-	5.2	(X)
3714	Motor vehicle parts and accessories	(X)	-	-	-	-	(over 2)	(X)
3841	Surgical and medical instruments	(X)	-	(2-5)	-	-	-	(X)
3964	Needles, pins, and fasteners	(X)	-	-	-	-	(5-10)	(X)
	Other products[1]	(X)	243.5	74.2	21.4	11.6	86.1	(X)
	Miscellaneous receipts, total	(X)	80.3	7.8	101.3	12.7	92.3	(X)
93000	Contract work	(X)	1.8	0.7	5.2	3.3	13.4	(X)
99980	Sales of scrap and refuse	(X)	25.4	1.1	(D)	-	13.8	(X)
99980	Receipts for repair work	(X)	(X)	0.2	(D)	1.4	0.3	(X)
99980	Other miscellaneous receipts	(X)	4.6	0.2	(D)	2.5	6.3	(X)
99989	Resales	(X)	48.5	5.6	71.4	5.5	58.4	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing on the other industries with over $2 million shipments of the primary products	
3411	2851 Paints and allied products	(over 2)
	3264 Porcelain electrical supplies	(over 2)
	3461 Metal stampings	(10-20)
	3491 Metal barrels, drums, and pails	4.0
	3496 Collapsible tubes	(2-5)
3421	3914 Silverware and platedware	(2-5)
3423	3312 Blast furnaces and steel mill products	(over 2)
	3315 Steel wire and related products	(2-5)
	3322 Malleable iron castings	(5-10)
	3461 Metal stampings	4.2
	3481 Miscellaneous fabricated wire products	2.1
	3494 Valves and pipe fittings	10.8
	3541 Machine tools, metal-cutting types	(10-20)
	3545 Machine tool accessories	4.0
	3548 Metalworking machinery, n.e.c.	11.6
	3569 General industrial machinery, n.e.c.	4.1
	3634 Electric housewares and fans	(2-5)
	3644 Noncurrent-carrying wiring devices	(5-10)
3425	3541 Machine tools, metal-cutting type	(2-5)
	3545 Machine tool accessories	(over 2)
	3548 Metalworking machinery, n.e.c.	10.6
3429	1929 Ammunition except for small arms, n.e.c.	(5-10)
	2431 Millwork	3.3
	3011 Tires and inner tubes	(over 2)
	3079 Miscellaneous plastics products	3.2
	3231 Products of purchased glass	(over 2)
	3432 Plumbing fittings and brass goods	2.5
	3433 Heating equipment except electric	(5-10)
	3442 Metal doors, sash, and trim	3.7
	3452 Bolts, nuts, rivets and washers	2.1
	3461 Metal stampings	13.0
	3481 Miscellaneous fabricated wire products	4.1
	3494 Valves and pipe fittings	5.4
	3535 Conveyors and conveying equipment	(2-5)
	3537 Industrial trucks and tractors	3.7
	3714 Motor vehicle parts and accessories	6.6
	3999 Manufactures, n.e.c.	(2-5)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Includes where appropriate, values for these 4-digit product groups for which either the symbol (D) or a value range, e.g. (2-5) under 2, etc., appear above.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 base boxes of metal)[1]	Value (million dollars)	Quantity (1,000 base boxes of metal)[1]	Value (million dollars)
3411- --	METAL CANS, TOTAL	(X)	2,585.7	(X)	2,002.2
	Metal cans:[2]				
	Steel (tinplate) and aluminum:				
34110 10 and 20	As reported in the census of manufactures	137,415	2,573.5	111,540	1,988.0
	As reported on Monthly Form M34D	133,980	2,536.8	110,949	(NA)
	Steel (tinplate)	[3]126,141	2,332.4	[3]108,593	(NA)
	Aluminum	[4]7,839	204.4	[4]2,356	(NA)
	Detail data by type of can from monthly survey M34D:				
34110 12	Fruit and fruit juices, including cans for fruit base still drinks sold as soft drinks	14,313	(NA)	15,474	(NA)
34110 15	Vegetable and vegetable juice	21,952	(NA)	18,306	(NA)
34110 13	Evaporated and condensed milk	3,337	(NA)	4,161	(NA)
34110 19	Other dairy products	728	(NA)	595	(NA)
34110 31	Meat, including poultry	3,803	(NA)	3,654	(NA)
34110 41	Fish and seafood	2,920	(NA)	2,875	(NA)
34110 45	Coffee	4,162	(NA)	4,748	(NA)
34110 51	Lard and shortening	1,986	(NA)	2,034	(NA)
34110 63	Soft drinks	14,580	(NA)	4,116	(NA)
34110 67	Beer	27,537	(NA)	19,580	(NA)
34110 73	Baby food, including formulas	855	(NA)	701	(NA)
34110 79	All other foods, including soups	13,227	(NA)	12,182	(NA)
34110 71	Pet foods	5,797	(NA)	4,625	(NA)
34110 81	Oil (open top up through 5-quart)	3,056	(NA)	3,995	(NA)
34110 83	Paint and varnish products, including painters' supplies	4,154	(NA)	3,689	(NA)
34110 85	Antifreeze	828	(NA)	1,057	(NA)
34110 87	Pressure packing (valve type)	4,371	(NA)	2,501	(NA)
34110 89	All other nonfoods	6,374	(NA)	6,656	(NA)
34110 91	Tinware end products, including ice cream cans but excluding cooking and kitchen utensils	(X)	2.2	(X)	9.0
34110 00	Metal cans, n.s.k. (For establishments with 10 or more employees in 1967. See Note.)	(X)	8.3	(X)	5.2
34110 02	Metal cans, n.s.k. (For establishments with fewer than 10 employees in 1967. See Note.)	(X)	1.7		

	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3421- --	CUTLERY, TOTAL	308.9	254.3
34211 --	Cutlery, scissors, shears, trimmers, and snips	121.0	90.5
34211 11	Table cutlery (consists of knives, forks, spoons, etc., for the serving and eating of food, with handles of materials other than metal), including carving sets with handles of materials other than metal but excluding blades sold separately	17.6	6.0
34211 21	Kitchen cutlery	18.3	15.9
34211 41	Pocket knives, and other folding-blade knives[5]	18.7	14.2
34211 53	Scissors and shears, including household types, barber shears, pinking and tailoring shears, etc., but excluding manicure, pedicure, surgical, and the types included in "All other scissors and shears"	17.6	13.8
34211 55	All other scissors and shears, including hedge and grass shears and pruners (except electric) aviation and tinners snips, BX and wire filament cutters, etc	21.6	16.4
34211 61	Manicure and pedicure scissors and implements	14.8	8.1
34211 98	Other cutlery, including butchers' and meatpacking cutlery	10.2	14.6
34211 00	Cutlery, scissors, shears, trimmers and snips, n.s.k.	2.0	1.3
34212 --	Razor blades and razors, except electric	177.1	159.4
34212 11	Safety razors		
	Razor blades	177.1	159.4
34212 53	Stainless steel		
34212 55	Carbon and alloy steel		
34210 00	Cutlery, n.s.k. (For companies with 10 or more employees. See Note.)	9.1	4.4
34210 02	Cutlery, n.s.k. (For companies with less than 10 employees. See Note.)	1.7	

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3423 - --	HAND AND EDGE TOOLS, N.E.C., TOTAL	.....	(X)	775.1	(X)	536.1
34231 --	Mechanics' hand service tools	.....	(X)	391.5	(X)	252.4
34231 11	Pliers	Million units..	(NA)	46.1	17.3	23.3
34231 21	Ball peen hammers	...do.....	e3.2	4.9	1.9	2.8
	Wrenches:					
34231 33	Socket	...do.....	e78.1	46.4	55.2	32.6
34231 35	Flat (open-end, box-end and combination open-end and box)	...do.....	e38.0	31.0	28.6	21.3
34231 37	Adjustable	...do.....	e19.8	35.7	9.4	18.1
34231 39	All other	...do.....	24.4	23.8	31.3	20.8
34231 41	Screw drivers	...do.....	e108.0	38.3	52.8	21.0
34231 51	Automobile jacks, mechanical, excluding hydraulic and pneumatic	...do.....	7.6	24.5	10.4	17.9
34231 98	Other mechanics' hand service tools	.....	(X)	117.9	(X)	84.6
34231 00	Mechanics' hand service tools, n.s.k	.....	(X)	22.9	(X)	10.0
34232 --	Edge tools, hand operated	.....	(X)	127.8	(X)	106.2
34232 11	Agricultural edged handtools, except scissors and shears (scythes, sickles, grass hooks, machetes, hay knives, and similar tools)	.....	(X)	1.8	(X)	3.1
34232 31	Axes, adzes, and hatchets	.....	(X)	6.6	(X)	6.4
34232 51	Cutting dies, for use in cutting cloth, paper, leather, etc., excluding dies for cutting metal	.....	(X)	22.5	(X)	20.3
34232 55	Machine knives, except metal cutting	.....	(X)	17.5	(X)	13.5
34232 61	Can openers (except electric)	.....	(X)	6.7	(X)	6.6
34232 71	Auger bits	Million units..	(NA)	5.9	4.6	4.6
34232 83	Chisels	...do.....	e10.4	8.3	7.6	5.8
34232 81	Planes	.....	(X)	52.7	(X)	43.5
34232 98	Other edge tools	.....				
34232 00	Edge tools, n.s.k	.....	(X)	5.8	(X)	2.3
34233 --	Files, rasps, and file accessories and other handtools	.....	(X)	190.5	(X)	156.0
34233 11	Shovels, spades, scoops, telegraph spoons, and scrapers	Million units..	12.1	27.4	(NA)	22.4
34233 21	Light forged hammers (under 4 pounds), excluding ball peen hammers	...do.....	5.1	9.7	(NA)	8.8
34233 31	Heavy forged tools, sledges (4 pounds and over), picks, pick mattocks, and mauls	...do.....	1.9	5.5	(NA)	4.3
34233 41	Steel goods (forks, hoes, rakes, weeders, etc.)	...do.....	20.3	25.6	(NA)	20.3
34233 61	Metalworking files and rasps, including precision files	...do.....	(1)	(6)	62.3	25.1
34233 71	Woodworking files and rasps	...do.....	1.4	2.1	(NA)	0.9
34233 81	Soldering irons (electric)	...do.....	2.0	10.8	2.0	9.8
34233 98	Other handtools, except edge tools	.....	(X)	6105.5	(X)	60.6
34233 00	Files, rasps, and file accessories and other handtools, n.s.k	.....	(X)	3.9	(X)	3.7
34230 00	Hand and edge tools, except machine tools and handsaws, n.e.c. (Includes establishments with 10 or more employees. See Note.)	.....	(X)	54.4		
34230 02	Hand edge tools, except machine tools and handsaws, n.e.c. (Includes establishments with fewer than 10 employees. See Note.)	.....	(X)	10.9	(X)	21.4
3425- --	HANDSAWS AND SAW BLADES, TOTAL	.....	(X)	138.0	(X)	85.0
	Powersaw blades:					
	Woodworking:					
	Circular:					
34250 11	Solid tooth[7]	.....	(X)	17.0	(X)	10.1
34250 13	Inserted tooth	.....	(X)	3.0	(X)	3.1
	Band:					
34250 15	Under 2 inches	Million ft.....	(8)	(8)	13.9	3.4
34250 17	2 inches and over	...do.....	0.7	4.2	0.7	3.6
34250 18	Teeth for inserted teeth saws, sold separately	.....	(X)	4.3	(X)	2.7
34250 19	All other woodworking powersaw blades (scroll, jigs, etc.)	Million ft.....	(NA)	817.2	(X)	
	Metalworking:					
34250 31	Circular	Millions.....	(NA)	7.3	(NA)	4.3
34250 35	Hack (power only)	Million units..	3.5	7.2	4.8	6.9
34250 36	Band (flexible back, spring temper metal-cutting and high-speed metal-cutting)	Million ft.....	115.2	27.5	179.7	22.8
34250 39	Other metalworking saw blades (saber, reciprocating, etc.)	.....	(X)	2.5	(X)	1.4

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3425- --	HANDSAWS AND SAW BLADES--Continued					
	Hand-operated saws:					
34250 43	Hacksaw blades (hand only)	Million units..	52.1	10.4	59.1	12.1
34250 45	Carpenter crosscuts and ripsaws	...do.....	2.0	5.7	0.7	1.5
34250 49	Other handsaws (heavy handsaws, including crosscut and buck, miter, coping, pruning, compass, etc., including handsaw frames, and handsaw blades sold together or handsaw blades sold separately)	.....	(X)	18.1	(X)	7.1
34250 00	Handsaws, saw blades and accessories, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	12.6	(X)	5.9
34250 02	Handsaws, saw blades and accessories, n.s.k. (For establishments with fewer than 10 or more employees. See Note.)	.....	(X)	0.9		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3429- --	HARDWARE, N.E.C., TOTAL	2,188.2	1,663.1
34291 --	Transportation equipment hardware	985.1	778.5
34291 11	Marine hardware, including shackles, rope sockets, tackle blocks, wire rope, clips, clamps, and joiners' hardware	80.0	34.9
34291 31	Aircraft hardware	48.4	35.8
34291 53	Motor vehicle hardware, including lock units, door and window handles, window regulators, hinges, license plate brackets, instrument panel knobs, etc.[9]	807.7	682.4
34291 98	Other transportation equipment hardware, including railroad car hardware	33.6	22.2
34291 00	Transportation equipment hardware, n.s.k.	15.4	3.2
34292 --	Furniture hardware	120.9	95.3
34292 13	Rotating and tilting fixtures and bases	25.2	61.9
34292 15	Furniture hardware including drawer pulls, slides, handles, etc. (excluding casters)	57.3	
34292 53	Furniture casters	30.9	23.6
34292 55	Other floor protective devices, including slides, glides, furniture rests, and desk leg cups	5.0	5.7
34292 00	Furniture hardware, n.s.k.	2.5	4.1
34293 --	Vacuum and insulated bottles, jugs, and chests	55.9	48.0
34293 15	Vacuum (air evacuated) bottles, pitchers, servers, etc	55.9	33.2
34293 17	Insulated (portable and other than air evacuated) picnic jugs, picnic chests, coolers, etc. (except those made principally of plastics)		14.8
34294 --	Builders' hardware	593.4	465.8
34294 11	Padlocks	39.7	22.7
	Doorlocks, locksets, and lock trim:		
34294 21	Cylindrical type	96.2	107.2
34294 22	Bored types	25.8	
34294 24	All other types	9.8	
34294 25	Night latches and deadlocks	7.9	9.3
34294 27	Emergency exit devices (antipanic devices)	13.6	10.0
34294 33	Screen and storm door hardware, including pneumatic closers	14.2	(10)
34294 35	Miscellaneous sash, screen, and shelf hardware (window hardware, transom hardware, door pulls, and bolts etc.)	53.4	50.4
34294 41	Door closers and checking devices, including floor types (excluding screen and storm door closures)	43.1	41.1
34294 51	Hinges and butts, excluding cabinet hinges, including spring hinges	49.7	40.9
34294 63	Cabinet hardware, including cabinet hinges but excluding cabinet locks	42.9	57.1
34294 65	Miscellaneous locking devices, including cabinet locks	10.4	(10)
34294 71	Hangers, tracks, and related items, including overhead door hardware (except sliding and folding door hardware, residential and commercial)	54.5	37.5
34294 73	Sliding and folding door hardware (residential and commercial)	19.8	12.8
34294 98	Other builders' hardware	92.7	10 68.1
34294 00	Builders' hardware, n.s.k.	19.7	8.6

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3429- --	HARDWARE, N.E.C.--Continued		
34295 --	Other hardware	335.7	237.4
34295 12	Casket and casket shell hardware	14.0	13.6
34295 22	Casters and wheels, for dollies and industrial handtrucks	56.9	41.8
34295 32	Trunk and luggage hardware, including locks	20.7	15.0
34295 52	Fireplace fixtures and equipment, including andirons, screens, tongs and other fire tools	16.7	16.4
34295 62	Hose fittings and couplings	104.1	63.1
34295 65	Refrigerator and stove hardware	17.0	21.6
34295 98	Other hardware, including saddlery and harness hardware, but excluding drapery hardware	87.5	61.5
34295 00	Other hardware, n.s.k.	18.8	4.4
34290 00	Hardware, n.e.c., n.s.k. (For companies with 10 or more employees. See Note.)	80.9	38.1
34290 02	Hardware, n.e.c., n.s.k. (For companies with less than 10 employees. See Note.)	16.3	

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]A base box is an area of 31,360 square inches, equivalent to 112 sheets, 14" x 20" in size.

[2]A metal can is defined as a single-walled container constructed wholly of tinplate, terneplate, blackplate, waste plate, aluminum sheet or impact extrusions (slugs) designed for packing products. This definition excludes steel pails, defined as single-walled shipping containers having capacaties of 1-12 gallons inclusive that are cylindrically constructed of steel sheet of 29 gauge and heavier.

[3]The 1967 and 1963 figures represent, respectively, 5,149 and 4,621 thousand short tons of steel. The 1967 and 1963 estimates are derived, respectfully, by use of the factors 24.5 and 23.5 base boxes per short ton of steel. See table 6A-2 for detailed data on a product packed basis.

[4]The 1967 and 1963 figures represent, respectively, 17.8 and 43.3 thousand short tons of aluminum. See table 6A-2 for detailed data on a product packed basis.

[5]Quantities shipped are 20,411 and 20,140 thousand units for 1967 and 1963 respectively.

[6]Combined with product class 34233 98, Other handtools, except edge tools, to avoid disclosing figures for individual companies.

[7]Includes all types and sizes of solid tooth circular saw blades for industrial and home workshop type circular saws as well as saw blades for portable power saws and for sawing attachments for portable handtools.

[8]Included with product code 3425019, All other woodworking powersaw blades, to avoid disclosing operations of individual companies.

[9]Includes only the value of motor vehicle hardware reported as such. It is likely that an indeterminate amount of motor vehicle hardware was reported as motor vehicle parts and classified accordingly in the Motor Vehicle and Parts Industry.

[10]For 1963, product codes 34294 33 and 34294 65 were included with product codes 34294 98.

TABLE 6A-2 Shipments of Metal Cans, By Product Packed and Metal: 1967 and 1963

(Thousands of base boxes[1] of metal consumed in the manufacture of steel (tinplate) and aluminum cans)

Product code	Type of can	1967			1963		
		Total	Steel (tinplate)	Aluminum	Total	Steel (tinplate)	Aluminum
	METAL CANS, TOTAL	133,980	126,141	7,839	110,949	108,593	2,356
34110 24	Fruit and fruit juices (including cans for fruit-base still drinks sold as soft drinks)	14,313	14,237	76	15,473	14,610	864
34110 26	Evaporated and condensed milk	3,337	3,337	(Z)	4,161	4,161	-
34110 28	Other dairy products	728	724	4	595	595	-
34110 32	Meat, including poultry	3,803	3,258	545	3,654	3,654	-
34110 36	Coffee	4,162	4,162	(Z)	4,748	4,748	-
34110 44	Beer	27,537	22,041	5,496	19,580	18,286	1,294
34110 25	Vegetable and vegetable juices	21,952	27,682	31	18,306	40,089	126
34110 34	Fish and seafoods	2,920			2,875		
34110 38	Lard and shortening	1,986			2,034		
34110 46	Baby foods, including formulas	855			4,116		
34110 42	Soft drinks	14,580	13,696	884	701		
34110 48	All other foods, including soups	13,227	12,541	686	12,182		
34110 52	Pet foods	5,797	24,463	117	4,624	10,155	30
34110 54	Oil (open top up through 5 quart)	3,056			3,995		
34110 56	Paint and varnish products, including painters' supplies	4,154			3,689		
34110 66	Pressure packing (valve type)	4,371			2,501		
34110 64	Antifreeze	828			1,057	1,057	-
34110 68	All other nonfoods	6,374			6,655	6,619	37

Source: Current Industrial Reports Series M34D, Metal Cans.

Note: Detail may not add to total due to independent rounding.

- Represents zero. (Z) Less than 500 base boxes.

[1]A base box is an area of 31,360 square inches, equivalent of 112 sheets, 14" x 20" in size.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
CUTLERY, SCISSORS, SHEARS, TRIMMERS, AND SNIPS (34211)		
United States	121.0	90.5
Northeast Region	91.9	66.6
New England Div	35.9	28.0
Massachusetts	6.3	6.8
Rhode Island	EE	(1)
Connecticut	18.0	12.0
Middle Atlantic Div	56.0	38.6
New York	24.7	17.5
New Jersey	24.0	15.5
Pennsylvania	7.3	5.7
North Central Region	15.7	(D)
East North Central Div	15.1	13.1
Ohio	11.6	8.7
Michigan	AA	1.1
Wisconsin	AA	(1)
South Region	EE	6.9
South Atlantic Div	CC	(D)
Maryland	AA	(1)
Virginia	AA	(1)
West Virginia	BB	(1)
West South Central Div	AA	(D)
Arkansas	AA	(D)
West Region	BB	2.6
Pacific Div	BB	(D)
California	BB	(1)
MECHANICS, HAND SERVICE TOOLS (34231)		
United States	391.5	252.4
Northeast Region	149.6	100.8
New England Div	70.0	40.9
Massachusetts	42.1	23.3
Connecticut	FF	17.4
Middle Atlantic Div	79.6	60.0
New York	47.0	30.5
New Jersey	12.7	15.6
Pennsylvania	19.9	13.9
North Central Region	182.0	118.8
East North Central Div	157.1	102.9
Ohio	51.4	31.4
Indiana	CC	(1)
Illinois	56.6	32.2
Michigan	23.9	(D)
Wisconsin	EE	20.2
West North Central Div	24.9	15.9
Minnesota	EE	6.4
Missouri	BB	(1)
Nebraska	BB	(1)
Kansas	BB	1.7
South Region	19.8	12.0
South Atlantic Div	19.3	(D)
West Virginia	BB	(1)
North Carolina	EE	(1)
South Carolina	BB	(1)
MECHANICS, HAND SERVICE TOOLS (34231)--Con.		
West Region	40.1	20.8
Mountain Div	7.1	2.4
Colorado	CC	(1)
Pacific Div	33.0	18.4
Oregon	BB	(1)
California	FF	16.8
EDGE TOOLS, HAND OPERATED (34232)		
United States	127.8	106.3
Northeast Region	66.2	52.5
New England Div	46.1	37.5
New Hampshire	AA	(D)
Vermont	AA	(1)
Massachusetts	32.9	25.3
Connecticut	10.1	9.5
Middle Atlantic Div	20.1	15.0
New York	6.6	5.9
New Jersey	5.1	4.2
Pennsylvania	8.5	5.0
North Central Region	49.4	44.4
East North Central Div	31.4	30.6
Ohio	15.8	14.6
Indiana	1.8	(D)
Illinois	11.8	14.7
Michigan	2.1	1.0
West North Central Div	18.0	13.8
Iowa	AA	(1)
Missouri	15.0	12.2
South Region	7.5	5.1
South Atlantic Div	CC	(D)
Virginia	AA	(D)
West Virginia	BB	(1)
North Carolina	AA	(D)
West Region	4.8	4.2
Pacific Div	BB	(D)
California	3.6	2.7
FILES, RASPS, FILE ACCESSORIES, OTHER HANDTOOLS (34233)		
United States	190.5	156.0
Northeast Region	78.8	62.2
New England Div	24.7	16.0
Massachusetts	CC	(1)
Connecticut	EE	(1)
Middle Atlantic Div	54.1	46.2
New York	26.5	21.7
New Jersey	5.7	5.3
Pennsylvania	21.9	19.2
FILES, RASPS, FILE ACCESSORIES, OTHER HANDTOOLS (34233)--Con.		
North Central Region	82.0	70.1
East North Central Div	77.0	66.7
Ohio	37.6	31.9
Indiana	18.9	17.3
Illinois	14.0	13.9
Michigan	4.8	2.2
Wisconsin	1.7	1.4
West North Central Div	5.1	3.3
Iowa	AA	(1)
Nebraska	AA	(D)
South Region	25.1	18.4
South Atlantic Div	FF	(D)
West Virginia	FF	(1)
North Carolina	AA	(D)
East South Central Div	BB	(D)
Mississippi	BB	(1)
West Region	4.5	5.3
Pacific Div	4.5	5.3
California	BB	(1)
HANDSAWS, SAW BLADES AND SAW ACCESSORIES (34250)		
United States	138.0	85.0
Northeast Region	68.5	48.5
New England Div	52.1	37.1
Massachusetts	FF	(1)
Connecticut	CC	(1)
Middle Atlantic Div	16.5	11.4
New York	11.3	8.1
Pennsylvania	4.7	(1)
North Central Region	32.9	16.5
East North Central Div	32.3	(D)
Ohio	BB	(1)
Illinois	17.6	9.1
Michigan	CC	(1)
Wisconsin	BB	(D)
South Region	30.2	17.0
South Atlantic Div	16.0	(D)
Maryland	BB	(1)
Virginia	CC	(1)
North Carolina	7.1	(D)
East South Central Div	14.2	(D)
Kentucky	CC	(1)
Alabama	AA	(D)
Mississippi	CC	(1)
West Region	6.3	(D)
Pacific Div	6.3	3.1
Washington	AA	(D)
Oregon	2.7	(1)
California	BB	1.0

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
TRANSPORTATION EQUIPMENT HARDWARE (34291)		
United States	985.1	778.5
Northeast Region	199.8	175.7
New England Div.	27.2	(D)
Massachusetts	BB	(1)
Rhode Island	CC	(D)
Connecticut	16.1	14.8
Middle Atlantic Div.	172.6	(D)
New York	GG	40.2
New Jersey	GG	(1)
Pennsylvania	BB	(1)
North Central Region	730.7	557.9
East North Central Div.	725.0	556.2
Ohio	227.6	133.9
Indiana	FF	(1)
Illinois	GG	32.2
Michigan	384.4	351.4
Wisconsin	FF	(1)
West North Central Div.	5.7	1.8
Iowa	CC	(1)
South Region	12.2	10.3
South Atlantic Div.	6.0	5.7
Virginia	AA	(D)
North Carolina	AA	(1)
Florida	BB	(1)
East South Central Div.	4.8	3.5
Kentucky	AA	(1)
Alabama	BB	(1)
West South Central Div.	1.5	1.1
Texas	1.5	(D)
West Region	42.4	34.6
Mountain Div.	BB	(D)
Colorado	BB	(1)
Pacific Div.	FF	(D)
Washington	BB	(1)
California	36.5	31.7
FURNITURE HARDWARE (34292)		
United States	120.9	95.3
Northeast Region	41.2	34.9
New England Div.	24.6	20.7
Massachusetts	CC	(1)
Connecticut	EE	14.5
Middle Atlantic Div.	16.6	14.2
New York	11.4	11.0
New Jersey	BB	(D)
Pennsylvania	BB	(1)
FURNITURE HARDWARE (34292)--Con.		
North Central Region	60.2	44.9
East North Central Div.	GG	41.2
Ohio	AA	(D)
Indiana	EE	(1)
Illinois	29.2	23.0
Michigan	16.4	(1)
West North Central Div.	AA	3.6
Missouri	AA	3.6
South Region	12.5	11.4
South Atlantic Div.	CC	(D)
North Carolina	8.9	5.9
West South Central Div.	BB	(D)
Arkansas	BB	(1)
West Region	6.9	4.4
Pacific Div.	6.9	4.4
Oregon	BB	(D)
California	BB	(1)
BUILDERS, HARDWARE (34294)		
United States	593.4	465.8
Northeast Region	146.9	129.9
New England Div.	96.5	86.1
New Hampshire	BB	(1)
Massachusetts	EE	(1)
Connecticut	76.6	71.2
Middle Atlantic Div.	50.4	43.7
New York	23.7	21.0
New Jersey	2.1	1.5
Pennsylvania	24.5	21.3
North Central Region	275.0	205.3
East North Central Div.	242.0	184.5
Ohio	33.1	19.6
Indiana	16.4	10.8
Illinois	132.9	102.0
Michigan	35.8	35.6
Wisconsin	23.7	16.6
West North Central Div.	33.0	20.8
Minnesota	14.1	8.9
Iowa	BB	(D)
Missouri	EE	(1)
South Dakota	AA	(D)
South Region	64.9	45.8
South Atlantic Div.	24.6	19.5
West Virginia	AA	(D)
North Carolina	EE	(D)
South Carolina	AA	(1)
Georgia	AA	(D)
Florida	4.9	14.5
BUILDERS, HARDWARE (34294)--Con.		
South Region--Con.		
East South Central Div.	36.7	23.6
Kentucky	AA	(D)
Tennessee	FF	(1)
Alabama	BB	(D)
Mississippi	CC	(1)
West South Central Div.	3.7	2.7
Oklahoma	AA	(1)
Texas	BB	(1)
West Region	106.6	84.8
Pacific Div.	106.6	84.8
Oregon	BB	(D)
California	103.9	84.5
OTHER HARDWARE (34295)		
United States	335.7	237.4
Northeast Region	109.3	81.9
New England Div.	42.8	34.9
Massachusetts	6.0	6.6
Connecticut	35.5	26.1
Middle Atlantic Div.	66.5	47.0
New York	31.4	18.8
New Jersey	17.5	10.7
Pennsylvania	17.7	17.5
North Central Region	150.9	104.2
East North Central Div.	142.0	98.6
Ohio	44.6	24.4
Indiana	FF	(1)
Illinois	31.6	25.1
Michigan	34.7	25.6
Wisconsin	EE	(1)
West North Central Div.	9.0	5.6
Iowa	BB	3.8
Missouri	BB	(D)
South Region	33.5	21.3
South Atlantic Div.	10.3	6.5
Virginia	AA	(D)
West Virginia	BB	(1)
North Carolina	BB	(1)
Georgia	BB	(1)
East South Central Div.	12.6	6.7
Kentucky	AA	(1)
Tennessee	EE	4.6
West South Central Div.	10.6	8.2
Arkansas	CC	(1)
Texas	AA	(1)
West Region	42.0	30.0
Mountain Div.	BB	(D)
Colorado	BB	(D)
Pacific Div.	FF	(D)
Oregon	3.8	2.8
California	35.0	25.6

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
34110	Metal cans	2,585.7	2,521.6	2,286.8	2,161.5	2,002.2	[2]1,762.3	[2]1,332.0	[2]644.2
3421-	Cutlery	308.9	296.9	280.2	253.6	254.3	162.2	153.3	141.1
34211	Cutlery, scissors, shears, trimmers and snips	121.0	134.0	131.1	102.1	90.5	77.3	85.5	81.1
34212	Razor blades and razors, except electric	177.1	163.0	149.0	147.3	159.4	80.7	67.8	60.0
34210	Cutlery, n.s.k.	10.8	-	-	4.3	4.4	4.1	-	-
3423-	Hand and edge tools, n.e.c.	775.1	764.3	671.7	584.8	536.1	434.2	370.5	348.7
34231	Mechanics' hand service tools	391.5	408.5	351.8	286.7	252.4	188.5	168.8	130.5
34232	Edge tools, hand operated	127.8	(146.2)	(128.6)	117.8	106.3	90.6	73.7	63.7
34233	Files, rasps, file accessories, and other handtools	190.5	188.8	175.8	164.7	156.0	142.1	120.1	142.2
34230	Hand and edge tools, n.e.c., n.s.k.	65.3	(20.8)	(15.5)	(15.6)	21.4	13.1	7.9	12.3
34250	Handsaws, saw blades, and saw accessories	138.0	132.7	109.9	94.5	85.0	75.6	64.5	62.1
3429-	Hardware, n.e.c.	2,188.2	2,179.9	2,089.5	1,799.5	1,663.1	1,224.1	1,053.7	564.6
34291	Transportation equipment hardware	985.1	1,009.5	1,023.1	832.8	778.5	472.2	441.0	203.3
34292	Furniture hardware	120.9	111.2	110.3	106.5	95.3	77.4	60.2	39.1
34293	Vacuum and insulated bottles, jugs and chests	55.9	48.7	45.8	46.8	48.0	41.1	27.9	17.8
34294	Builders' hardware	593.4	585.3	539.5	507.6	465.8	387.1	323.5	184.4
34295	Other hardware	335.7	389.1	331.7	270.5	237.4	215.2	191.3	109.2
34290	Hardware, n.e.c., n.s.k.	97.2	(36.2)	(39.2)	35.3	38.1	31.1	9.7	10.7

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Data for Alaska and Hawaii are excluded.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3411.--METAL CANS					
	Materials, parts, containers, and supplies, total	.....	(X)	1,713.4	(X)	1,212.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331018	Tinplate, terneplate and blackplate[1]	1,000 short tons.	5,323.4	1,170.6	4,611.4	938.8
331011	Bars and bar shapes	...do.				
331012	Sheet and strip	...do.				
331017	Wire and wire products	...do.	(NA)	8.1	11.3	2.8
331019	All other carbon steel mill shapes and forms	...do.				
331020	Alloy steel (except stainless)	...do.				
331031	Stainless steel mill shapes and forms	...do.	(NA)	2.0	0.3	0.2
	Aluminum and aluminum-base alloy:[1]					
335202	Sheet, plate, and foil	Million lbs.				
335209	All other aluminum mill shapes and forms (wire, rod, extruded shapes, etc.)	...do.	456.3	157.8	115.2	35.4
285101	Paints, varnishes, lacquers, japans, and enamels	1,000 gal.	21,738.6	55.1	15,657.0	39.4
260091	Paper and paperboard containers, including corrugated boxes	.....	(X)	44.0	(X)	33.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	257.1	(X)	151.5
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	18.7	(X)	11.2
	INDUSTRY 3421.--CUTLERY					
	Materials, parts, containers, and supplies, total	.....	(X)	94.4	(X)	64.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	3.5	0.6	4.3	0.8
331012	Sheet and strip	...do.	13.1	4.0	14.2	5.4
331013	Plates	...do.	-	-	(3)	(3)
331017	Wire and wire products	...do.	0.9	0.2	0.3	0.1
331019	All other carbon steel mill shapes and forms	...do.			[3]2.4	[3]0.5
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.				
331029	All other alloy steel mill shapes and forms	...do.	1.3	0.5	0.4	0.2
331031	Stainless steel	...do.	5.5	8.5	6.7	6.4
	Copper and copper-base alloy mill shapes and forms:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.			3.8	1.7
335123	Plate, sheet, and strip (including military cups and discs)	...do.	1.4	1.2		
335127	Pipe and tube	...do.			0.3	0.3
	Aluminum and aluminum-base alloy mill shapes and forms:					
335202	Sheet, plate, and foil	...do.				
335209	All other aluminum mill shapes and forms	...do.	2.2	1.3	2.8	1.2
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	1,000 short tons.	0.6	0.4	0.7	0.4
332300	Steel	...do.	(Z)	(Z)	0.1	0.2
336100	Aluminum and aluminum-base alloy	Million lbs.	0.1	0.1	(Z)	(Z)
339100	Iron and steel forgings[4]	1,000 short tons.	1.5	0.9	0.2	0.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	71.2	(X)	42.8
976000	Materials, parts, containers and supplies, n.s.k.[2]	.....	(X)	5.5	(X)	4.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3423.--HAND AND EDGE TOOLS, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	245.6	(X)	162.6
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	89.6	19.7	91.7	17.2
331012	Sheet and strip	...do.....	64.5	14.6	60.1	11.8
331013	Plates	...do.....			1.0	0.2
331017	Wire and wire products	...do.....	[5]10.4	[5]2.5	4.8	1.5
331019	All other carbon steel mill shapes and forms	...do.....			4.7	1.6
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....			37.3	10.2
331029	All other alloy steel mill shapes and forms	...do.....	48.5	16.5	3.4	2.0
331031	Stainless steel	...do.....			0.5	0.6
	Copper and copper-base alloy mill shapes and forms:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	2.1	1.6	0.9	0.5
335123	Plate, sheet, and strip, including military cups and discs	...do.....	0.4	0.3	0.4	0.3
335127	Pipe and tube	...do.....	([6])	([6])	0.8	0.6
	Aluminum and aluminum-base alloy mill shapes and forms:					
335202	Sheet, plate, and foil	...do.....	4.5	2.8	3.3	1.3
335209	All other aluminum mill shapes and forms	...do.....			1.2	0.7
	Castings (rough and semifinished):[7]					
332011	Iron (gray and malleable)	1,000 short tons.	16.8	10.3	15.4	8.8
332300	Steel	...do.....	5.1	4.3	1.9	1.3
336100	Aluminum and aluminum-base alloy	Million lbs.....	4.2	3.6	3.2	2.2
339100	Iron and steel forgings[8]	1,000 short tons.	(NA)	18.9	8.1	7.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	100.8	(X)	68.0
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	49.7	(X)	26.3
	INDUSTRY 3425.--HANDSAWS AND SAW BLADES					
	Materials, parts, containers, and supplies, total	.....	(X)	49.9	(X)	32.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	6.9	6.6	8.0	5.2
331013	Plates	...do.....	1.3	0.7	0.8	0.2
331011	Bars and bar shapes	...do.....				
331017	Wire and wire products	...do.....	4.9	1.5	3.6	1.4
331019	All other carbon steel mill shapes and forms	...do.....				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....			10.4	12.8
331029	All other alloy steel mill shapes and forms	...do.....	14.4	20.1		
331031	Stainless steel	...do.....			(Z)	(Z)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	15.9	(X)	12.1
973000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	5.1	(X)	1.9

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3429.--HARDWARE, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	855.9	(X)	654.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	103.1	19.2	89.4	16.4
331012	Sheet and strip	...do.....	746.1	124.5	635.2	111.3
331013	Plates	...do.....	[3]	[3]	3.9	0.6
331017	Wire and wire products	...do.....	101.0	20.8	91.3	19.7
331019	All other carbon steel mill shapes and forms	...do.....	[9] [3]48.4	[9] [3]12.5	14.7	4.9
331020	Alloy steel (except stainless)	...do.....	7.6	2.9	3.6	1.6
331031	Stainless steel	...do.....	43.1	42.7	37.9	37.3
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	2.4	1.8	[6]	[6]
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	...do.....	26.2	12.8	22.8	10.7
335123	Plate, sheet, and strip, including military cups and discs	...do.....	30.1	18.3	30.8	17.6
335127	Pipe and tube	...do.....	[6]	[6]	2.0	1.6
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	29.4	13.0	25.1	11.3
335205	Extruded shapes	...do.....	18.2	8.7	16.3	7.8
335209	All other aluminum mill shapes and forms	...do.....	2.7	1.4	8.4	4.4
	Primary metals:					
333122	Copper and copper-base alloy refinery shapes	1,000 short tons.	8.9	7.7	7.4	4.8
333348	Zinc and zinc-base alloy refinery shapes	...do.....	127.2	39.5	119.7	33.8
333401	Aluminum and aluminum-base alloy refinery shapes	...do.....	3.9	1.9	4.4	2.4
339915	Metal powders	Million lbs.....	[6]	[6]	(NA)	(NA)
	Castings (rough and semifinished):[10]					
332011	Iron (gray and malleable)	1,000 short tons.	55.1	24.6	58.9	20.4
332300	Steel	...do.....	8.3	5.1	4.2	2.3
336100	Aluminum and aluminum-base alloy	Million lbs.....	6.8	4.9	5.3	3.4
336200	Copper and copper-base alloy	...do.....	11.3	9.6	(NA)	5.6
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	383.4	(X)	291.8
976000	Materials, parts, containers, and supplies, n.s.k[2]	.....	(X)	100.6	(X)	44.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Data on the tonnage of tinplate, terneplate, blackplate and aluminum consumed in the production of cans constructed wholly of metal are published in Current Industrial Reports Series M34D, Metal Cans. The consumption total reported in the census of manufactures also includes such metal consumed in the production of secondary products.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]Material code 331013, carbon steelplate is combined with material code 331019, all other carbon steel mill shapes and forms.

[4]Does not include castings or forgings produced and consumed in the same establishment.

[5]These figures are understated by $2 million or less because of apparent undercoverage of carbon steel pipe and tube.

[6]Included with material code 970099, All other materials and components, etc.

[7]No data are available for castings produced and consumed in the same establishment.

[8]In 1967, 6.2 thousand short tons of iron and steel forgings were produced and consumed in the same establishment. The comparable figure for 1963 is 3.8 thousand short tons.

[9]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[10]In addition there were 3.5 and 2.7 thousand short tons of iron castings produced and consumed in the same establishment for 1967 and 1963 respectively. In 1963, 2.2 million pounds of aluminum castings were produced and consumed. Data on aluminum, steel, and copper castings produced and consumed for 1967 are not available. Also, no data are available for quantities of steel and copper castings produced and consumed in the same establishment in 1963.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Metal cans (SIC 3411)	Hand and edge tools, n.e.c. (SIC 3423)	Hardware, n.e.c. (SIC 3429)
	Cost of purchased fuels and electric energy, total....	Million dollars.	20.0	8.7	22.0
	Cost of purchased fuels, total.....	...do.....	9.1	4.3	8.7
121005	Coal (anthracite, bituminous, and lignite):				
	Quantity.....	1,000 short tons	56.2	54.2	210.0
	Cost.....	Million dollars.	0.5	0.3	1.9
331212 331213	Coke, screenings, and breeze:				
	Quantity.....	1,000 short tons	-	(D)	1.9
	Cost.....	Million dollars.	-	(D)	0.1
	Fuel oil, total:				
	Quantity.....	1,000 barrels...	272.0	292.3	450.7
	Cost.....	Million dollars.	0.8	1.1	1.5
291141	Distillate:				
	Quantity.....	1,000 barrels...	89.0	134.7	148.0
	Cost.....	Million dollars.	0.3	0.6	0.6
291151	Residual:				
	Quantity.....	1,000 barrels...	183.0	149.6	285.8
	Cost.....	Million dollars.	0.5	0.5	0.9
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):				
	Quantity.....	Million cu. ft..	12,563.6	3,212.9	5,530.1
	Cost.....	Million dollars.	7.2	2.2	3.8
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.4	0.1	0.2
	Fuels, n.s.k.....	...do.....	0.2	0.6	1.3
	Purchased electric energy:				
	Quantity.....	Million kw.-hrs.	994.6	268.8	1,093.0
	Cost.....	Million dollars.	10.9	4.4	13.4
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	0.8	-	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	5,757.9	2,146.9	5,429.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3421	CUTLERY										
	ENTIRE INDUSTRY	146	13.0	80.2	10.4	20.5	54.5	276.3	104.9	378.5	11.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	139	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34211	CUTLERY, SCISSORS, SHEARS, TRIMMERS, AND SNIPS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	74	7.2	41.3	6.2	12.7	31.2	75.5	42.2	115.6	2.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	65	6.9	39.1	5.8	12.1	29.7	71.2	39.2	108.5	2.5
34212	RAZOR BLADES AND RAZORS, EXCEPT ELECTRIC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	7	4.8	34.5	3.5	6.3	20.0	193.2	58.8	251.4	8.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3423	HAND AND EDGE TOOLS, NEC										
	ENTIRE INDUSTRY	667	35.9	232.9	28.7	57.9	165.8	509.4	311.9	813.5	23.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	628	30.6	196.5	24.5	49.5	140.1	423.2	268.3	684.2	19.9
34231	MECHANICS' HAND SERVICE TOOLS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	129	18.0	118.1	14.0	28.5	82.4	255.8	184.5	436.8	14.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	102	12.7	83.8	9.7	19.9	58.2	186.1	135.8	321.7	10.6
34232	EDGE TOOLS, HAND OPERATED										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	106	5.4	36.4	4.3	9.1	25.6	70.3	31.1	100.1	2.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	83	3.4	23.9	2.7	5.8	17.0	42.4	17.3	59.1	1.4
34233	FILES, RASPS, FILE ACCESSORIES, OTHER HANDTOOLS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	78	9.9	62.9	8.1	16.2	47.1	142.1	73.9	213.8	5.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	61	6.5	41.3	5.5	10.9	31.3	96.0	45.3	139.5	3.8
3425	HANDSAWS AND SAW BLADES										
	ENTIRE INDUSTRY	85	6.3	43.4	4.8	10.1	29.5	97.1	58.3	154.3	3.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	74	3.9	25.3	2.9	6.0	16.2	56.5	35.2	90.8	3.0
3429	HARDWARE, NEC										
	ENTIRE INDUSTRY	1 041	100.8	686.7	80.0	171.4	492.4	1 435.5	954.6	2 368.3	81.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	959	91.9	633.6	73.0	157.3	454.0	1 330.6	862.8	2 173.4	71.5
34291	TRANSPORTATION EQUIPMENT HARDWARE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	126	37.8	304.9	30.9	64.1	234.1	683.2	423.8	1 092.7	36.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	105	33.5	274.2	27.3	56.2	210.0	625.7	390.6	1 002.5	34.7
34292	FURNITURE HARDWARE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	53	8.0	48.7	6.2	22.9	34.0	85.9	57.5	143.0	3.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	40	2.9	16.5	2.4	15.4	12.0	28.9	22.4	51.9	1.3
34293	VACUUM AND INSULATED BOTTLES, JUGS, AND CHESTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	12	2.9	18.0	2.1	4.3	11.3	39.1	29.4	66.9	3.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34294	BUILDERS' HARDWARE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	217	32.3	197.8	25.4	49.9	134.1	397.9	239.8	633.2	20.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	182	28.7	175.0	22.5	44.0	117.1	346.9	197.6	540.6	18.5
34295	OTHER HARDWARE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	158	14.6	88.4	11.1	22.2	58.9	166.1	156.7	322.7	9.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	118	8.9	53.8	6.9	13.4	36.0	98.1	82.9	181.0	5.3
3411	METAL CANS										
	ENTIRE INDUSTRY	299	60.3	474.4	52.3	112.7	393.3	1 141.5	1 786.2	2 890.6	99.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	273	50.3	394.7	43.6	93.8	327.3	971.5	1 465.2	2 403.5	80.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

HEATING APPARATUS (EXCEPT ELECTRIC) AND PLUMBING FIXTURES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3431--Enameled Iron and Metal Sanitary Ware
3432--Plumbing Fixture Fittings and Trim (Brass Goods)
3433--Heating Equipment, Except Electric

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3431--ENAMELED IRON AND METAL SANITARY WARE

This industry comprises establishments primarily engaged in manufacturing enameled iron, cast iron, or pressed metal sanitary ware. Establishments primarily engaged in manufacturing vitreous and semivitreous pottery sanitary ware are classified in industry 3261; and those manufacturing porcelain enameled kitchen, household, and hospital ware in industry 3461. For a detailed list of products of industry 3431, refer to table 6A, product codes 3431010 to 3431098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Sanitary Ware Industry in 1967 totaled $251 million. This included shipments of metal plumbing fixtures (primary products), valued at $189 million, shipments of other products (secondary products) valued at $37 million, and miscellaneous receipts (mainly resales of products bought and resold without further manufacture) of $25 million.

This industry's shipments of metal plumbing fixtures (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 84 percent. Secondary products shipped by this industry in 1967 consisted mainly of plumbing fittings and brass goods ($20 million).

Industry 3431 shipments of metal plumbing fixtures (primary products) in 1967 represented 89 percent (coverage ratio) of these products valued at $213 million shipped by all industries. In 1963, the coverage ratio was 91 percent. Other industries shipping metal plumbing fixtures (primary products) included industry 3461, metal stampings, $9 million.

Industry 3431 includes establishments which fall into two significantly different categories, namely those producing cast iron plumbing fixtures and those producing metal fixtures of pressed metal. Accordingly, the manufacturing plants included in this industry involve different manufacturing processes depending upon the line of products produced. Those fixture plants producing cast iron fixtures include significant foundry operations while the pressed metal fixture plants are more closely allied to metal fabricating plants producing their product by forming processes (stamping, drawing, etc.).

The operations of the largest establishments in this industry cover the entire production process including the casting of the fixture, through the machining, finishing, and assembly operations. In general these processes are carried on at a single manufacturing plant. However, in a few instances the foundry operations were performed at separate locations and, accordingly, those separate foundries were classified in the foundry industries (SIC industries 3321, 3322, 3323, 3361, 3362 and 3369). In the latter case the plants classified in this industry would be limited to machining and finishing operations on castings received from their associated plants.

Certain of the companies operating plants classified in this industry also have establishments producing allied products classified in other industries. For example, the larger fixture manufacturers also have plants engaged in manufacturing fixture fittings and such allied products as vitreous china fixtures, kitchen cabinets, warm air furnaces, boilers and other consumer durable items in the plumbing and heating line.

As is shown in table 7A, certain of the more important materials consumed by the industry are pig iron, and iron and steel scrap metal consumed in the foundry operations and steel mill shapes and forms.

Data on shipments of plumbing fixtures were collected by the Bureau of the Census on a quarterly basis on Form MQ-34E. The detailed statistics shown in table 6A were taken from the quarterly survey.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3431, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3432--PLUMBING FIXTURE FITTINGS AND TRIM (BRASS GOODS)

This industry comprises establishments primarily engaged in manufacturing plumbing fixture fittings and trim (brass goods). Establishments primarily engaged in the manufacture of steam or water line valves are classified in industry 3494. For a detailed list of products of industry 3432, refer to table 6A, product codes 3432001 to 3432098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Plumbing Fittings and Brass Goods Industry in 1967 totaled $405 million. This included shipments of plumbing fittings and brass goods (primary products), valued at $347 million, shipments of other products (secondary products) valued at $28 million, and miscellaneous receipts (mainly resales of products bought and resold without further manufacture) of $30 million.

This industry's shipments of plumbing fittings and brass goods (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent.

Industry 3432 shipments of plumbing fittings and brass goods (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $405 million shipped by all industries. In 1963, the coverage ratio was 83 percent. Other industries shipping plumbing fittings and brass goods (primary products) included industry 3431, metal plumbing fixtures, $20 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3432, these establishments accounted for 1 percent of payroll and value added by manufacture.

3433--HEATING EQUIPMENT, EXCEPT ELECTRIC

This industry comprises establishments primarily engaged in manufacturing heating equipment for all purposes other than power, including all gas, oil, and stoker coal fired equipment for the automatic utilization of gaseous, liquid, and solid fuels. Establishments primarily engaged in manufacturing cooking stoves and ranges are classified in industry 3631; boilershops primarily engaged in the production of industrial, power, and marine boilers in industry 3443; and industrial process furnaces and ovens in industry 3567. For a detailed list of products of industry 3433, refer to table 6A, product codes 343110 to 3433698.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Heating Equipment, Except Electric, Industry in 1967 totaled $1,069 million. This included shipments of heating equipment, except electric (primary products), valued at $760 million, shipments of other products (secondary products) valued at $230 million, and miscellaneous receipts (mainly resales of products bought and resold without further manufacture) of $79 million.

This industry's shipments of heating equipment, except electric (primary products) in 1967 represented 77 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 76 percent. Secondary products shipped by this industry in 1967 consisted largely of refrigeration machinery ($104 million).

Industry 3433 shipments of heating equipment, except electric (primary products) in 1967 represented 80 percent (coverage ratio) of these products valued at $955 million shipped by all industries. In 1963, the coverage ratio was 81 percent. Other industries shipping heating equipment, except electric (primary products) consisted mainly of industry 3485, Refrigeration Machinery $94 million; and industry 3443, Fabricated Platework (boilershop products), $22 million.

Inasmuch as the primary products of Industry 3433 represent a wide and heterogenous group of heating equipment products, the establishments in this industry are involved in a variety of manufacturing processes. Many heating equipment plants are engaged in metal fabricating activities, namely, stamping and forming. In addition, a significant number of the establishments in the industry are engaged in foundry and plate fabricating activities.

Some of the companies operating plants classified in industry 3433 have establishments engaged in the production of allied products such as metal tanks, electric and nonelectric ranges, electric and nonelectric water heaters and other consumer durable items principally in the heating and cooking line.

The establishments of this industry vary greatly in the degree to which they manufacture the components used in the production of heating and cooking equipment. Some manufacturers produce practically all of the component parts and incorporate only such purchased parts as the motor, electrical controls, and blowers. Other manufacturers produce only a small part of the complete unit purchasing most of the components from other manufacturers and limiting their manufacturing activities to assembly operations.

Data are shown in table 6A for "oil burners sold separately." These statistics exclude the quantity and value of oil burners which were both produced and incorporated into other types of heating equipment in the same plant. In these instances the value of the boiler- or furnace-burner unit includes the value of the oil burner.

Data on shipments of domestic heating stoves, mechanical stokers, oil burners, and furnaces were collected during 1967 by the Bureau of the Census on Annual Form MA-34N, Heating and Cooking Equipment (Except Electric). The product data shown in table 6A are from that source.

Data for unit ventilators, unit heaters, and parts for unit heaters and ventilators, and heat transfer coils were collected during 1967 by the Bureau of the Census on an annual basis on Form MA-35H, Fans and Blowers. The product data shown in table 6A were taken from the annual survey.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3433, these establishments accounted for 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3431.--METAL SANITARY WARE													
1967 Census....	91	51	10.1	71.3	8.1	16.4	53.5	140.6	109.3	251.2	7.6	43.0	83	89
1966 ASM[1].....	(NA)	(NA)	12.0	78.7	9.6	18.8	57.6	146.4	119.5	262.3	6.5	50.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	11.4	72.7	9.1	17.9	52.8	142.6	111.5	253.8	5.6	43.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	11.6	74.6	9.1	18.4	55.0	142.4	111.2	251.9	5.3	40.6	(NA)	(NA)
1963 Census....	81	45	11.0	68.2	8.8	17.5	50.4	139.9	96.2	234.9	5.9	37.4	84	91
1962 ASM[1].....	(NA)	(NA)	9.5	57.6	7.6	15.7	42.4	111.8	95.1	209.5	*5.4	36.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.6	48.7	7.0	13.9	37.2	87.5	78.8	178.5	*5.0	33.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	*9.8	*54.7	*7.9	*16.1	*41.6	*110.7	*91.1	*196.6	*5.0	*45.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	*11.8	*68.7	*9.3	*19.8	*51.7	*133.6	*107.8	*234.9	*7.7	*47.5	(NA)	(NA)
1958 Census[2]...	63	41	12.4	67.8	10.1	19.2	50.8	118.6	95.2	214.9	8.9	39.0	84	92
	INDUSTRY 3432.--PLUMBING FITTINGS AND BRASS GOODS													
1967 Census....	214	90	14.5	92.6	11.4	22.8	64.2	183.3	217.9	404.7	8.2	90.6	93	86
1966 ASM[1].....	(NA)	(NA)	15.0	84.8	11.9	22.4	60.0	183.0	223.8	396.3	7.0	92.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	15.7	87.7	12.5	24.6	61.8	166.0	220.4	383.0	9.1	78.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	15.3	84.6	12.5	24.6	61.7	189.3	197.1	377.9	7.2	75.9	(NA)	(NA)
1963 Census....	250	102	15.1	79.3	12.3	24.0	58.3	154.8	181.3	333.8	6.5	64.7	90	83
1962 ASM[1].....	(NA)	(NA)	14.0	73.1	11.2	21.4	52.9	136.9	167.9	306.0	4.9	55.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	13.1	67.6	10.4	20.4	48.4	128.9	145.2	271.9	4.8	48.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	14.8	74.4	12.0	23.1	54.6	135.8	146.9	283.1	3.5	48.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	15.8	77.2	13.2	25.6	58.2	158.1	155.8	310.9	4.3	50.2	(NA)	(NA)
1958 Census[2]...	254	84	14.7	66.9	12.1	23.0	50.4	120.6	131.5	250.3	3.6	44.8	91	83
	INDUSTRY 3433.--HEATING EQUIPMENT, EXCEPT ELECTRIC													
1967 Census....	533	248	40.6	264.0	29.0	57.5	160.7	547.9	526.8	1,069.0	31.3	236.2	77	80
1966 ASM[1].....	(NA)	(NA)	43.7	275.2	31.6	64.8	172.8	559.5	632.7	1,167.3	25.0	253.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	43.3	264.8	30.5	62.8	163.5	533.8	588.4	1,124.1	24.3	225.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	43.8	258.7	31.3	62.4	161.9	538.6	569.2	1,089.3	15.8	224.5	(NA)	(NA)
1963 Census....	648	280	42.0	243.9	30.2	60.0	154.4	495.7	525.5	1,019.8	17.8	204.2	76	81
1962 ASM[1].....	(NA)	(NA)	43.9	245.0	31.1	61.5	149.8	522.5	531.5	1,046.3	12.8	197.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	45.3	247.7	32.5	63.4	155.4	505.7	544.7	1,052.9	14.5	198.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	45.7	243.9	33.2	64.3	152.8	511.9	517.2	1,019.4	13.1	199.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	46.7	243.2	34.2	66.6	155.0	487.0	542.9	1,021.0	13.4	196.7	(NA)	(NA)
1958 Census[2]...	672	303	44.7	222.7	32.4	63.2	142.3	432.8	470.6	912.9	13.4	181.0	81	80

Note: In 1967, 1963, and 1958, the number of companies in industry 3431 was 83, 75, and 56, respectively; in industry 3432: 210, 247, and 250; industry 3433: 496, 611, 642. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3431.--METAL SANITARY WARE								
1967 Census	7,054	80	2,015	3.27	.43	.72	13,911	51	8.58
1966 ASM	6,563	80	1,957	3.07	.46	.76	12,217	54	7.80
1965 ASM	6,364	80	1,958	2.96	.44	.73	12,490	51	7.98
1964 ASM	6,448	78	2,036	2.98	.44	.74	12,315	52	7.72
1963 Census	6,190	80	1,981	2.88	.41	.70	12,702	49	7.99
1962 ASM	6,060	80	2,066	2.71	.45	.73	11,767	51	7.13
1961 ASM	5,630	81	1,992	2.66	.44	.71	10,117	56	6.27
1960 ASM	5,563	81	2,034	2.58	.46	.74	11,267	49	6.86
1959 ASM	5,830	79	2,138	2.61	.46	.75	11,340	51	6.73
1958 Census	5,458	81	1,907	2.65	.44	.76	9,536	57	6.18
	INDUSTRY 3432.--PLUMBING FITTINGS AND BRASS GOODS								
1967 Census	6,386	78	2,007	2.81	.54	.77	12,643	51	8.03
1966 ASM	5,667	79	1,888	2.68	.56	.78	12,233	46	8.16
1965 ASM	5,586	79	1,974	2.51	.58	.80	10,569	53	6.73
1964 ASM	5,530	81	1,977	2.50	.52	.75	12,376	45	7.68
1963 Census	5,244	81	1,948	2.43	.54	.78	10,229	51	6.45
1962 ASM	5,206	80	1,907	2.48	.55	.79	9,750	53	6.41
1961 ASM	5,163	80	1,950	2.38	.53	.78	9,848	52	6.33
1960 ASM	5,018	81	1,917	2.37	.52	.78	9,168	55	5.89
1959 ASM	4,870	83	1,948	2.27	.50	.75	9,973	49	6.17
1958 Census	4,565	83	1,894	2.19	.53	.79	8,222	56	5.24
	INDUSTRY 3433.--HEATING EQUIPMENT, EXCEPT ELECTRIC								
1967 Census	6,497	71	1,979	2.80	.49	.74	13,485	48	9.53
1966 ASM	6,294	72	2,050	2.66	.54	.78	12,798	49	8.63
1965 ASM	6,120	70	2,061	2.60	.52	.76	12,340	50	8.50
1964 ASM	5,908	72	1,990	2.60	.52	.76	12,299	48	8.64
1963 Census	5,803	72	1,986	2.57	.52	.75	11,796	49	8.26
1962 ASM	5,584	71	1,980	2.44	.51	.74	11,909	47	8.50
1961 ASM	5,468	72	1,953	2.45	.52	.75	11,162	49	7.98
1960 ASM	5,334	73	1,937	2.38	.51	.75	11,196	48	7.96
1959 ASM	5,208	73	1,948	2.33	.53	.77	10,429	50	7.31
1958 Census	4,984	73	1,948	2.25	.52	.76	9,687	51	6.85

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3431-- METAL SANITARY WARE													
UNITED STATES	91	51	10.1	71.3	8.1	16.4	53.5	140.6	109.3	251.2	7.6	11.0	139.9
NORTHEAST REGION	28	11	1.2	8.7	1.0	1.9	6.4	15.7	12.1	29.5	.6	1.9	21.0
MIDDLE ATLANTIC DIVISION	24	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	9	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	13	4	.4	3.3	.3	.7	2.4	4.3	4.7	10.1	(D)	1.3	13.7
NORTH CENTRAL REGION	27	18	5.3	38.1	4.3	8.8	28.6	76.2	54.9	129.8	5.5	5.2	65.9
EAST NORTH CENTRAL DIVISION	26	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	5	4	1.4	9.1	1.2	2.1	7.3	20.0	13.1	34.0	2.3	1.8	26.3
INDIANA	5	3	.3	1.9	.2	.4	1.4	3.1	5.6	8.8	(D)	.2	1.9
ILLINOIS	11	7	1.1	7.9	.9	1.7	5.3	19.8	12.9	31.8	.6	.7	10.4
MICHIGAN	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	19	11	2.7	19.1	2.2	4.5	14.7	38.0	31.2	69.8	1.1	2.8	41.5
SOUTH ATLANTIC DIVISION	9	4	1.0	6.7	.8	1.6	5.3	14.1	15.3	29.0	.5	(D)	(D)
MARYLAND	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	17	11	.8	5.4	.7	1.2	3.8	10.6	11.0	22.1	.4	1.0	11.4
PACIFIC DIVISION	15	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	15	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3432-- PLUMBING FITTINGS AND BRASS GOODS													
UNITED STATES	214	90	14.5	92.6	11.4	22.8	64.2	183.3	217.9	404.7	8.2	15.1	154.8
NORTHEAST REGION	59	25	3.0	19.2	2.3	4.8	13.0	37.5	36.1	73.5	2.6	2.4	23.2
NEW ENGLAND DIVISION	17	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
RHODE ISLAND	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	9	5	.7	4.4	.6	1.2	3.2	8.9	8.2	17.0	(D)	.5	4.0
MIDDLE ATLANTIC DIVISION	42	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	28	11	.7	3.9	.6	1.1	2.4	7.2	10.1	17.6	.2	[2](D)	[2](D)
NEW JERSEY	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	11	5	.9	6.6	.7	1.4	4.3	14.8	8.9	23.2	(D)	.5	3.7
NORTH CENTRAL REGION	79	36	6.2	42.4	4.7	9.5	28.6	83.4	106.2	189.9	3.5	7.2	76.5
EAST NORTH CENTRAL DIVISION	66	31	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	22	7	1.5	8.8	1.2	2.2	6.4	16.2	21.2	37.6	.5	3.0	30.8
INDIANA	6	5	1.3	8.4	1.0	2.1	6.1	25.9	21.6	47.0	(D)	.7	11.7
ILLINOIS	19	8	1.4	11.0	1.1	2.3	7.6	16.8	26.9	42.9	.6	1.0	8.8
MICHIGAN	14	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	13	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	31	15	3.5	19.6	2.8	5.6	14.5	40.8	50.4	95.1	1.5	3.3	31.3
SOUTH ATLANTIC DIVISION	18	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
DELAWARE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	10	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	45	14	1.8	11.3	1.5	3.0	8.1	21.6	25.1	46.2	.5	2.2	23.8
PACIFIC DIVISION	43	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	39	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnote at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3433-- HEATING EQUIPMENT, EXCEPT ELECTRIC													
UNITED STATES	533	248	40.6	264.0	29.0	57.5	160.7	547.9	526.8	1 069.0	31.3	42.0	495.7
NORTHEAST REGION	193	86	14.6	98.2	10.3	20.3	60.4	198.6	176.2	376.4	10.1	13.6	173.2
NEW ENGLAND DIVISION	38	12	1.3	9.1	.9	1.9	5.2	17.8	16.5	34.2	.5	1.4	16.4
MASSACHUSETTS	21	6	.8	4.9	.6	1.2	3.1	8.8	8.2	16.9	(D)	.8	7.9
CONNECTICUT	10	6	.6	4.1	.3	.7	2.0	8.7	8.0	16.7	.2	.7	6.6
MIDDLE ATLANTIC DIVISION	155	74	13.2	89.1	9.4	18.4	55.2	180.8	159.7	342.2	9.7	12.0	156.8
NEW YORK	45	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	44.8
NEW JERSEY	43	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	31.6
PENNSYLVANIA	67	37	7.5	50.6	5.3	10.5	31.4	106.7	82.9	186.6	(D)	5.7	80.4
NORTH CENTRAL REGION	192	95	16.7	112.3	11.9	23.8	67.9	239.8	244.0	474.5	15.5	20.4	246.1
EAST NORTH CENTRAL DIVISION	143	78	13.1	90.7	8.9	17.5	51.2	183.0	182.7	359.8	6.9	17.4	207.7
OHIO	42	22	4.1	30.1	2.8	5.5	17.1	68.0	63.4	129.3	2.1	6.6	88.4
INDIANA	18	12	2.2	14.4	1.5	2.9	7.5	30.3	36.2	64.3	1.2	3.1	37.8
ILLINOIS	39	22	3.5	23.9	2.5	4.9	13.9	46.8	39.5	85.3	1.9	3.9	48.7
MICHIGAN	33	14	1.5	10.8	1.1	2.2	6.6	22.0	32.2	53.8	1.1	1.7	14.7
WISCONSIN	11	8	1.7	11.4	1.1	2.0	6.0	15.8	11.4	27.1	.7	2.1	18.2
WEST NORTH CENTRAL DIVISION	49	17	3.6	21.7	3.0	6.3	16.7	56.8	61.3	114.6	8.5	3.1	38.4
MINNESOTA	15	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	19	6	1.0	5.9	.7	1.4	3.8	12.6	17.3	27.6	(D)	1.1	10.4
NEBRASKA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	75	38	7.0	37.6	5.1	10.1	22.8	73.5	76.9	151.4	4.7	5.2	45.4
SOUTH ATLANTIC DIVISION	28	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	5	4	.2	1.2	.1	.3	.7	2.4	2.9	5.1	(Z)	[2](D)	[2](D)
VIRGINIA	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	21	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	8	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	13.9
ALABAMA	6	4	1.1	4.5	1.0	1.7	3.1	5.5	6.7	12.0	(D)	.9	6.9
WEST SOUTH CENTRAL DIVISION	26	7	.9	4.3	.7	1.4	3.2	6.5	6.3	12.7	.6	(D)	(D)
ARKANSAS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	20	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	6.5
WEST REGION	73	29	2.4	15.9	1.8	3.4	9.6	36.1	29.7	66.7	1.0	2.8	31.0
MOUNTAIN DIVISION	8	3	.4	1.9	.3	.5	1.3	6.5	5.0	11.2	(D)	.1	.8
UTAH	5	3	.4	1.9	.3	.5	1.3	6.4	5.0	11.1	(D)	[2](D)	[2](D)
PACIFIC DIVISION	65	26	2.0	14.0	1.5	2.9	8.3	29.6	24.6	55.5	(D)	2.7	30.2
WASHINGTON	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	48	23	1.7	11.8	1.2	2.4	6.8	26.4	20.9	48.6	.7	2.4	27.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Metal sanitary ware (SIC 3431)	Plumbing fittings and brass goods (SIC 3432)	Heating equipment, except electrical (SIC 3433)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.83	.93	.77
COVERAGE RATIO[2]	.89	.86	.80
ESTABLISHMENTS, TOTAL . . . NUMBER	91	214	533
WITH 1 TO 19 EMPLOYEES . . . DO	40	124	286
WITH 20 TO 99 EMPLOYEES . . . DO	31	48	137
WITH 100 EMPLOYEES OR MORE . . . DO	20	42	110
ALL EMPLOYEES, AVERAGE FOR YEAR . . . 1,000	10.1	14.5	40.6
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	71.3	92.6	264.0
PRODUCTION WORKERS:			
AVERAGE FOR YEAR . . . 1,000	8.1	11.4	29.0
MARCH . . . DO	7.8	11.3	28.2
MAY . . . DO	8.0	11.5	28.3
AUGUST . . . DO	8.3	11.1	29.0
NOVEMBER . . . DO	8.4	11.6	29.9
MAN-HOURS . . . MILLIONS	16.4	22.8	57.5
JANUARY-MARCH . . . DO	3.9	5.7	14.0
APRIL-JUNE . . . DO	4.2	5.9	13.8
JULY-SEPTEMBER . . . DO	4.1	5.4	14.5
OCTOBER-DECEMBER . . . DO	4.2	5.9	15.4
WAGES . . . MILLION DOLLARS	53.5	64.2	160.7
COST OF MATERIALS, ETC., TOTAL . . . DO	109.3	217.9	526.8
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . . . DO	84.6	194.5	477.5
COST OF RESALES . . . DO	17.3	15.3	35.8
FUELS CONSUMED . . . DO	4.2	1.1	4.6
PURCHASED ELECTRIC ENERGY . . . DO	2.0	2.0	4.8
CONTRACT WORK . . . DO	1.2	5.0	4.0
VALUE OF SHIPMENTS, INCLUDING RESALES . . . DO	251.2	404.7	1 069.0
VALUE OF RESALES . . . DO	22.8	18.4	58.0
VALUE ADDED BY MANUFACTURE . . . DO	140.6	183.3	547.9
MANUFACTURERS' INVENTORIES:			
BEGINNING OF YEAR, TOTAL . . . DO	44.4	96.4	223.2
FINISHED PRODUCTS . . . DO	22.0	38.5	87.0
WORK IN PROCESS . . . DO	8.0	28.3	49.5
MATERIALS, SUPPLIES, FUEL, ETC. . . . DO	14.4	29.6	86.7
END OF YEAR, TOTAL . . . DO	43.0	90.5	236.2
FINISHED PRODUCTS . . . DO	19.7	37.6	87.2
WORK IN PROCESS . . . DO	8.8	25.7	54.8
MATERIALS, SUPPLIES, FUEL, ETC. . . . DO	14.5	27.2	94.2
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . . DO	8.9	9.2	33.2
NEW PLANT AND EQUIPMENT, TOTAL . . . DO	7.6	8.2	31.3
NEW STRUCTURES AND ADDITIONS TO PLANT . . . DO	1.5	2.1	10.4
NEW MACHINERY AND EQUIPMENT . . . DO	6.2	6.1	20.8
USED PLANT AND EQUIPMENT . . . DO	1.3	1.0	1.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3431-- METAL SANITARY WARE											
ESTABLISHMENTS, TOTAL	91	10.1	71.3	8.1	16.4	53.5	140.6	109.3	251.2	7.6	43.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	17	(Z)	.1	(Z)	(Z)	.1	.3	.3	.6	(Z)	.1
5 TO 9 EMPLOYEES	9	.1	.4	(Z)	.1	.2	1.0	.5	1.5	(Z)	.2
10 TO 19 EMPLOYEES	14	.2	1.3	.2	.3	.9	2.8	3.3	6.0	.2	.7
20 TO 49 EMPLOYEES	24	.8	5.6	.6	1.2	3.9	8.2	11.2	20.4	.2	2.8
50 TO 99 EMPLOYEES	7	.5	2.5	.4	.7	1.7	8.6	5.6	14.3	.3	2.2
100 TO 249 EMPLOYEES	10	1.7	12.2	1.3	2.7	7.9	25.5	23.4	49.3	1.3	8.4
250 TO 499 EMPLOYEES	6	2.6	17.1	2.1	3.9	13.1	35.3	22.6	58.5	.8	8.9
500 TO 999 EMPLOYEES	3	4.2	32.0	3.6	7.5	25.6	58.8	42.3	100.6	4.9	19.8
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3432-- PLUMBING FITTINGS AND BRASS GOODS											
ESTABLISHMENTS, TOTAL	214	14.5	92.6	11.4	22.8	64.2	183.3	217.9	404.7	8.2	90.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	75	.1	.7	.1	.2	.5	1.6	1.6	3.2	(Z)	.5
5 TO 9 EMPLOYEES[e]	23	.1	1.0	.1	.2	.6	2.3	2.6	4.9	.1	.8
10 TO 19 EMPLOYEES	26	.4	1.9	.3	.5	1.3	5.1	6.1	11.0	.2	1.6
20 TO 49 EMPLOYEES	28	.9	4.9	.7	1.3	3.3	10.0	12.1	22.5	.4	3.4
50 TO 99 EMPLOYEES	20	1.4	8.6	1.2	2.2	5.5	13.5	22.4	36.0	.4	6.2
100 TO 249 EMPLOYEES	27	4.3	26.3	3.4	7.1	18.3	53.7	78.1	132.6	1.8	32.9
250 TO 499 EMPLOYEES	8	2.7	17.4	2.1	4.0	11.7	30.5	27.6	59.7	1.7	17.7
500 TO 999 EMPLOYEES	7	4.6	31.9	3.5	7.2	22.9	66.6	67.4	134.8	3.5	27.5
ESTABS. COVERED BY ADMIN. RECORDS[1e]	82	.2	1.0	.2	.3	.7	2.2	2.4	4.7	(Z)	.7
3433-- HEATING EQUIPMENT, EXCEPT ELECTRIC											
ESTABLISHMENTS, TOTAL	533	40.6	264.0	29.0	57.5	160.7	547.9	526.8	1 069.0	31.3	236.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	151	.3	1.6	.3	.4	1.0	3.5	3.7	7.2	(Z)	1.2
5 TO 9 EMPLOYEES[e]	60	.4	2.6	.3	.6	1.7	5.4	5.3	10.7	.2	1.9
10 TO 19 EMPLOYEES	75	1.1	7.3	.8	1.5	4.3	12.6	15.7	28.3	.4	4.8
20 TO 49 EMPLOYEES	86	2.7	17.1	2.0	3.8	10.6	34.3	33.7	67.1	1.0	12.2
50 TO 99 EMPLOYEES	51	3.6	23.1	2.6	5.3	13.4	50.2	46.3	94.1	1.9	17.6
100 TO 249 EMPLOYEES	61	9.5	60.4	6.9	13.6	36.0	115.5	112.4	227.3	5.7	48.9
250 TO 499 EMPLOYEES	32	10.8	72.8	7.5	15.1	43.7	152.7	140.9	293.0	7.4	71.1
500 TO 999 EMPLOYEES	15	12.3	79.1	8.7	17.2	50.0	173.9	168.7	341.3	14.6	78.5
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	161	.4	2.2	.4	.6	1.4	4.5	4.3	8.8	.1	1.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3431	Metal sanitary ware.....1967..	251.2	189.2	36.8	25.2	83	213.1	189.2	23.9	89
	1963..	234.9	184.2	34.3	16.3	84	203.3	184.2	19.3	91
3432	Plumbing fittings and brass goods.....1967..	404.7	346.7	27.9	30.1	93	404.6	346.7	57.9	86
	1963..	333.8	274.1	30.7	29.0	90	329.6	274.1	55.4	83
3433	Heating equipment, except electric.....1967..	1,069.0	759.7	230.5	78.8	77	954.6	759.7	194.9	80
	1963..	1,019.8	721.4	225.8	72.6	76	893.2	721.4	171.8	81

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Metal sanitary ware (SIC 3431)	Plumbing fittings and brass goods (SIC 3432)	Heating equipment, except electric (SIC 3433)	Other industries
	Total shipments and miscellaneous receipts	(X)	251.2	404.7	1,069.0	(X)
3431-	Metal plumbing fixtures	213.1	189.2	0.6	-	23.3
3432-	Plumbing fittings and brass goods	404.6	19.5	346.7	-	38.4
3433-	Heating equipment, except electric	954.6	-	-	759.7	194.9
34331	Oil burners, residential and industrial (sold separately), except parts	35.2	-	-	33.2	2.0
34332	Warm air furnaces (except floor and wall) and parts	215.5	-	-	136.0	79.5
34333	Cast iron heating boilers, radiators and convectors, except parts	133.3	-	-	132.0	1.4
34334	Domestic heating stoves (except electric), excluding parts	50.1	-	-	39.5	10.6
34335	Steel heating boilers (15 p.s.i. and under), except parts	67.0	-	-	42.9	24.1
34336	Other heating equipment, except electric, including parts for non-electric heating equipment	379.7	-	-	310.7	69.0
34330	Heating equipment, except electric, n.s.k.	73.6	-	-	65.4	8.3

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967–Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Metal sanitary ware (SIC 3431)	Plumbing fittings and brass goods (SIC 2321)	Heating equipment, except electric (SIC 3433)	Other industries
	Other product shipments by 4 digit product group					
1929-	Ammunition, except for small arms, n.e.c.	(X)	-		(over 2)	(X)
3079-	Miscellaneous plastics products	(X)	(2-5)	-	-	(X)
3261-	Vitreous plumbing fixtures	(X)	(2-5)	-	-	(X)
3272-	Concrete products, n.e.c.	(X)	(2-5)	-	-	(X)
3321-	Gray iron castings	(X)	-	-	10.6	(X)
3429-	Hardware, n.e.c.	(X)	-	2.5	(5-10)	(X)
3442-	Metal doors, sash and trim	(X)	-	-	(over 2)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	-	-	11.6	(X)
3446-	Architectural metalwork	(X)	-	-	(2-5)	(X)
3494-	Valves and pipe fittings	(X)	-	6.5	5.8	(X)
3499-	Fabricated metal products, n.e.c.	(X)	-	2.1		(X)
3522-	Farm machinery	(X)	-	-	(2-5)	(X)
3531-	Construction machinery	(X)	-	-	(5-10)	(X)
3542-	Machine tools, metal-forming types	(X)	(over 2)	-	-	(X)
3561-	Pumps and compressors	(X)	-	-	(2-5)	(X)
3564-	Blowers and fans	(X)	-	-	13.4	(X)
3566-	Power-transmission equipment	(X)	-	(over 2)	-	(X)
3569-	General industrial machinery, n.e.c.	(X)	-	(2-5)	-	(X)
3585-	Refrigeration machinery	(X)	-	-	104.4	(X)
3631-	Household cooking equipment	(X)	-	-	14.3	(X)
3634-	Electric housewares and fans	(X)	-	-	(5-10)	(X)
3642-	Lighting fixtures	(X)	-	-	(5-10)	(X)
3699-	Electrical equipment, n.e.c.	(X)	-	-	(5-10)	(X)
3715-	Truck trailers	(X)	-	-	-	(X)
	Other products[1]	(X)	17.3	16.2	70.4	(X)
	Miscellaneous receipts, total	(X)	25.2	30.1	78.8	(X)
930000	Contract work	(X)	1.6	(under 2)	5.4	(X)
9998013	Sales of scrap and refuse	(X)	(under 2)	8.9	2.8	(X)
9998061	Receipts for repair work	(X)	-	(under 2)	(X)	(X)
9998098	Other miscellaneous receipts	(X)	(under 2)	0.7	12.6	(X)
99989	Value of resales	(X)	22.8	18.4	58.0	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary product	
3431-	2531 Public building furniture	(over 2)
	3461 Metal stampings	8.7
	3639 Household appliances, n.e.c.	4.8
3432-	3261 Vitreous plumbing fixtures	(over 2)
	3316 Cold finishing of steel shapes	(over 2)
	3352 Aluminum rolling and drawing	(over 2)
	3494 Valves and pipe fittings	10.9
3433-	1999 Ordnance and accessories, n.e.c.	(over 2)
	3443 Fabricated platework (boiler shops)	21.9
	3444 Sheet metalwork	(2-5)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary product--Continued	
3433- Con.	3531 Construction machinery	2.6
	3559 Special industry machinery, n.e.c.	2.8
	3564 Blowers and fans	10.4
	3585 Refrigeration machinery	93.9
	3631 Household cooking equipment	4.9
	3633 Household laundry equipment	(over 2)
	3634 Electric housewares and fans	2.0
	3639 Household appliances, n.e.c.	11.2
	3715 Truck trailers	(over 2)
	3731 Ship building and repairing	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Includes, where appropriate, values for these 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3431- --	METAL PLUMBING FIXTURES, TOTAL	.....	(X)	213.1	(X)	203.5
	Enamel iron and metal plumbing fixtures:					
34310 10	As reported in the census of manufactures[1]	.....	(X)	197.8	(X)	195.5
	As reported on quarterly Form M34E[2]	.....	(X)	180.8	(X)	202.3
	Drinking fountains:					
34310 12	Cast iron	1,000 units...	43.7	1.5	41.3	(NA)
34310 13, 14	Steel and aluminum and other metals	...do.....				
	Lavatories:					
34310 17	Cast iron	...do.....	1,876.1	22.1	1,859.9	(NA)
34310 18, 19	Steel, aluminum, and other metals	...do.....	803.5	4.7	623.9	(NA)
34310 36, 39	Urinals (cast iron, aluminum and other metals)	...do.....	8.7	0.3	12.0	(NA)
	Kitchen sinks:					
	Steel:					
34310 42	Porcelain enameled	...do.....	1,184.1	12.3	1,796.9	(NA)
34310 46	Stainless	...do.....	1,024.5	20.4	921.7	(NA)
34310 41, 48 32610 45, 46	Cast iron, aluminum, and other metals, vitreous china, and glazed earthenware	...do.....	607.8	11.2	734.8	(NA)
34310 52, 53, 55 32610 52, 53, 55	Wash sinks (cast iron, steel, concrete, and other nonmetals	...do.....	82.0	4.7	20.0	(NA)
	Service sinks:					
34310 56, 59	Cast iron and steel	...do.....	123.9	5.5	117.6	(NA)
32610 56, 57	Vitreous china and glazed earthenware	...do.....				
	Sink and laundry tray combinations:					
34310 61	Cast iron	...do.....	28.4	0.8	40.9	(NA)
34310 63	Steel	...do.....			9.8	(NA)
34310 66, 67, 68 32610 66, 67, 68	Laundry trays (vitreous china, cast iron, and glazed earthenware)	...do.....	33.8	0.9	52.8	(NA)
	Bathtubs:					
34310 71	Cast iron	...do.....	1,335.4	70.1	1,560.1	(NA)
32610 72 34310 72	Steel and glazed earthenware	...do.....	757.8	20.0	1,010.2	(NA)
34310 75, 76, 77 32610 75, 76, 77	Shower receptors, sold separately (steel, other metals, concrete, and composition)	...do.....	(X)	0.5	14.5	(NA)
	Showerstalls, including receptors:					
34310 81, 83, 85	Steel	...do.....	199.1	9.6	176.8	(NA)
	Aluminum, Monel, and other metal, concrete, and composition	...do.....				
34310 98	Other enameled iron and metal plumbing fixtures	.....	(X)	15.3	(X)	8.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3432- --	PLUMBING FITTINGS AND BRASS GOODS, TOTAL	.....	(X)	404.6	(X)	329.6
	Bath and shower fittings:					
34320 01	Single control bath and shower fittings	Million units..	1.2	17.0	0.6	7.5
	Other than single control fittings:					
34320 03	Bathtub fillers	...do.....	0.4	3.1	1.4	5.0
34320 05	Bathtub and shower combinations	...do.....	2.0	19.6	2.0	16.4
34320 07	Shower fittings (with shower heads)	...do.....	0.6	5.1	1.0	6.4
34320 18	Bath drains and overflows	...do.....	3.1	18.3	3.2	12.1
34320 19	Other bath and shower fittings, including single bath faucets, shower heads and popup drains sold separately, etc	...do.....	3.0	8.5	3.7	9.4
	Lavatory fittings:					
	Combination 4" center-set fittings (with or without popup drains):					
34320 21	Single control type	...do.....	0.9	12.3	0.8	8.4
34320 22	Other type	...do.....	3.7	24.0	2.6	15.0
34320 23	Other combination fittings (with or without popup drains)	...do.....	0.9	13.4	1.8	12.7
34320 29	Other lavatory fittings, including popup drains sold separately, and single lavatory faucets	...do.....	2.6	9.6	4.1	7.7
	Sink fittings:					
	Deck-type combination sink faucets:					
34320 31	Single control type	...do.....	1.9	26.1	1.3	15.5
34320 32	Other type	...do.....	3.4	24.2	3.2	19.5
34320 33	Other combination sink faucets	...do.....	1.5	10.8	1.3	7.9
34320 39	Other sink fittings, including sink strainers sold separately, and single sink faucets	...do.....	10.4	15.8	10.7	12.0
	Miscellaneous items:					
34320 47	Compression stops, including those with drains	...do.....	13.2	7.9	14.0	10.0
34320 48	Sediment, lawn, hose bibb and still faucets	...do.....	11.7	11.3	13.7	10.3
34320 45	P-traps	...do.....	9.2	11.1	7.9	10.0
34320 46	S-traps	...do.....	3.1	4.5	2.7	4.4
34320 51	Lawn hose nozzles and lawn sprinklers	.....	(X)	19.9	(X)	26.6
34320 53	Water closet tank flushing controls	.....	(X)	17.1	(X)	20.0
34320 61	Flush valves	.....	(X)	21.3	(X)	72.1
34320 98	Other miscellaneous items, including double laundry-tray faucets	.....	(X)	59.7		
34320 00	Plumbing fixture fittings and trim, n.s.k. (For establishments with more than 10 employees. See Note.)	.....	(X)	39.3	(X)	20.8
34320 02	Plumbing fixture fittings and trim, n.s.k. (For establishments with fewer than 10 employees. See Note.)	.....	(X)	4.7		
3433- --	HEATING EQUIPMENT, EXCEPT ELECTRIC, TOTAL	.....	(X)	954.6	(X)	893.2
34331 --	Oil burners, residential, commercial, and industrial (sold separately), except parts	.....	(X)	35.2	(X)	42.0
34331 10	Reported in the census of manufactures	.....	(X)	30.5	(X)	36.8
	Reported on annual Form MA-34N (excluding furnace burner and boiler-burner units)	1,000 units...	396.7	30.8	423.6	34.7
	Residential (sold separately):					
34331 13	High-pressure atomizing	...do.....	372.5	18.5	369.7	18.9
34331 11	Low-pressure atomizing	...do.....	10.6	0.6	10.8	0.7
34331 15	Pot natural draft vaporizing	...do.....				
34331 17	Pot mechanical draft vaporizing	...do.....				
34331 19	Rotary (atomizing and vaporizing)	...do.....			1.5	0.2
	Commercial and industrial (sold separately):[3]					
34331 25	Low-pressure atomizing	...do.....	6.5	4.2	20.4	5.0
34331 27	High-pressure atomizing	...do.....	16.4	6.6	17.1	5.3
34331 29	Rotary atomizing	...do.....	1.3	1.7	4.1	4.5
	Boiler-burner units:					
	Residential:					
34331 31	High-pressure atomizing	1,000 units...	42.3	(X)	49.7	(X)
34331 39	All other	...do.....	12.0	(X)	10.1	(X)
34331 45	Commercial and industrial	...do.....	5.5	(X)	3.2	(X)
	Furnace-burner units:					
	Residential:					
34331 51	High-pressure atomizing	...do.....	54.8	(X)	74.0	(X)
34331 59	All other	...do.....	1.8	(X)	2.7	(X)
34331 65	Commercial and industrial	.....	(D)	(X)	(D)	(X)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3433- --	HEATING EQUIPMENT, EXCEPT ELECTRIC--Continued					
34331 --	Oil burners, residential, commercial, and industrial (sold separately), except parts--Continued					
34331 71	Oil burners, range type (sleeve-type and pot-type for use in water heaters, stoves, ranges, etc.)	.....	(X)	2.5	(NA)	2.4
34331 00	Oil burners, n.s.k.	.....	(X)	2.2	(X)	2.8
34332 --	Warm air furnaces (except floor and wall, and parts)					
34332 00	Reported in the census of manufactures	.....	(X)	215.5	(X)	204.5
	Reported on annual Form MA-34N	1,000 units...	1,448.7	215.0	1,384.5	197.5
	Forced air type (cast iron and steel):					
	Solid fuel (coal, coke, and wood):					
34332 11	150,000 B.t.u. bonnet output and under	...do.....	2.2	0.6	11.4	2.8
34332 12	Over 150,000 B.t.u. bonnet output	...do.....	0.1	0.1	0.9	0.4
	Oil:					
34332 14	150,000 B.t.u. bonnet output and under	...do.....	285.0	54.3	240.6	47.6
34332 15 16	Over 150,000 B.t.u. bonnet output	...do.....	13.7	5.5	18.4	8.3
	Gas:					
34332 17	150,000 B.t.u. bonnet output and under	...do.....	1,118.6	140.7	1,067.9	123.2
34332 18 19	Over 150,000 B.t.u. bonnet output	...do.....	23.3	13.9	25.4	12.2
	Gravity air-flow type (cast iron and steel):					
34332 31	Solid fuel	...do.....	1.9	0.3	9.5	1.8
34332 35	Oil	...do.....	(Z)	(Z)	0.2	(Z)
34332 37	Gas	...do.....	3.8	0.4	10.2	1.0
34333 --	Cast iron heating boilers, radiators, and convectory, except parts, total	.....	(X)	133.3	(X)	138.8
	Cast iron boilers:					
34333 20	Reported on annual Form MA-34N	Million lbs...	185.2	87.0	188.5	73.7
	Reported in the census of manufactures	...do.....	(X)	76.3	188.5	73.7
34333 11	Oil	...do.....	92.6	33.5	63.7	22.7
34333 15	Solid fuel	...do.....			24.3	8.2
34333 13	Gas	...do.....	97.0	42.8	100.5	42.8
	Radiators and convectors:					
	Cast iron:					
34333 30 34333 50	Reported in the census of manufactures	.....	(X)	8.9	(X)	12.6
	Reported on annual Form MA-34N	Million sq.ft. of radiation..	9.8	7.8	15.9	12.5
34333 81	Steel, residential and industrial	...do.....	(NA)	4.4	19.7	7.8
	Aluminum, including baseboard and finned tube type:					
34333 72	Residential	...do.....	59.2	25.8	63.5	22.7
34333 74	Industrial and special types	....do.....	25.4	13.6	(NA)	17.1
34333 79	Other nonferrous metal	...do.....	(X)	4.3	(X)	4.9
34333 00	Heating boilers, radiators, and convectors, n.s.k.	.....				
34334 --	Domestic heating stoves (except electric), except parts:					
34334 00	Reported in the census of manufactures	.....	(X)	50.1	(X)	79.1
	Reported on annual Form MA-34N	1,000 units....	1,491.2	52.4	2,306.9	76.1
	Gas:					
34334 11	Vented circulators	...do.....	311.6	20.5	410.2	28.1
34334 13	Unvented circulators	...do.....	491.0	7.9	667.4	8.7
34334 15	Radiants	...do.....	80.3	1.6	184.5	2.4
34334 17	All other (including laundry stoves)	...do.....	37.0	1.2	82.5	1.6
34334 27	Wood (sheet-metal airtight types	...do.....	171.1	0.7	279.5	1.4
	Coal and wood (other than sheetmetal airtight types):					
34334 31	Circulators (standard and magazine types)	...do.....	31.6	2.5	79.0	4.8
34334 33	Magazine radiants	...do.....	32.6	1.1	61.0	2.0
34334 39	All other (including kitchen heaters, caboose, schoolroom, woodbox, oaks and hot blasts, and laundry stoves)	...do.....	91.1	3.1	129.8	2.7
	Kerosene, gasoline, and fuel oil:					
34334 41	Flue-connected circulators and radiant circulators with vaporizing pot-type burners	...do.....	115.2	9.6		
34334 43	Flue-connected radiant heaters (without casing) and trailer heaters, equipped with vaporizing pot-type burners	...do.....	51.1	3.0	220.7	22.3
34334 45	Flue-connected heater equipped with sleeve burner	...do.....				
34334 47	Unvented portable kerosene heaters	...do.....	105.3	1.2	192.3	2.1

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3433- --	HEATING EQUIPMENT, EXCEPT ELECTRIC--Continued					
34335 --	Steel heating boilers (15 p.s.i. and under), except parts, total	.....	(X)	67.0	(X)	70.3
	Steel heating boilers (15 p.s.i. steam working pressure and under and all hot water boilers):					
34335 12	294 sq. ft. of heating surface or less	1,000 units	93.3	40.3	114.3	36.9
34335 15	Gross output of these boilers	1,000 b.t.u./hr	25,109.3	(X)	(NA)	(X)
	Over 294 sq. ft. of heating surface:					
34335 21	Horizontal fire box	1,000 units	2.2	8.5	1.6	7.1
34335 25	Gross output of these boilers	1,000 b.t.u./hr	8,014.4	(X)	(NA)	(X)
34335 31	Scotch type	1,000 units	5.0	10.1	2.9	16.1
34335 43	Other	...do...			(NA)	7.8
34335 35	Gross output, scotch type	1,000 b.t.u./hr	9,662.8	(X)	(NA)	(X)
34335 45	Gross output, other	...do...			(NA)	(X)
34335 00	Steel heating boilers, n.s.k.	.....	(X)	8.1	(X)	2.2
34336 --	Other heating equipment, except electric, including parts for nonelectric heating equipment, total	.....	(X)	379.7	(X)	317.3
	Gas burners (for furnaces, boilers, water heaters, etc.):					
34336 12	Residential, commercial and industrial, sold separately (except gas conversion)	1,000 units	(NA)	33.0	69.9	14.9
34336 14	Gas conversion burners, residential, commercial, and industrial	...do...	101.8	10.1	105.9	10.2
34336 18	Parts and attachments for gas burners (sold separately)	.....	(X)	8.8	(X)	9.1
34336 20, 30, 34, 39, 40, 50, 54, 59, 60	Floor and wall furnaces, unit heaters, duct furnaces, heat transfer coils range boilers, expansion tanks, hot water storage tanks, mechanical stokers, parts for unit heaters and ventilators, and unit ventilators, total:					
	Reported in the census of manufactures	.....	(X)	156.6	(X)	147.0
	Reported on annual form MA-34N and MA-35H)	.....	(X)	149.1	(X)	141.6
	Floor and wall furnaces: (MA-34N)					
	Gas fired:					
34336 21	Floor furnaces, including dual register	1,000 units	47.1	3.8	72.0	5.1
34336 23	Wall furnaces, panel type	...do...	382.5	27.9	424.0	26.4
	Oil fired:					
34336 25	Floor furnaces, including dual register	...do...	10.3	1.5	10.5	1.5
34336 27	Wall furnaces, panel type	...do...	6.1	0.8	19.7	2.0
	Unit heaters: (MA-34N) Gas-fired:					
34336 32	Centrifugal fan type	1,000 units	12.0	3.1	7.7	1.6
34336 37	Propeller fan type	...do...	179.5	24.5	131.9	18.4
	Steam or hot water heating elements: (MA 35H)					
34336 31	Centrifugal fan type (blower)	.....	(X)	14.8	(X)	13.7
34336 36	Propeller fan type	.....	(X)	13.1	(X)	12.3
	Duct furnaces (MA-34N):	1,000 units	33.5	5.6	32.8	5.9
	Heat transfer coils (MA-35H):					
34336 41	Copper or aluminum	.....	(X)	12.3	(X)	7.8
34336 42	All other	.....	(X)	1.2	(X)	1.4
	Range boilers, expansion tanks and hot water storage tanks (MA-34N):					
34336 51	Range boilers	1,000 units	30.7	0.8	33.1	0.8
34336 53	Expansion tanks (including basement tanks)	...do...	220.8	2.9	207.9	2.6
34336 55	Hot water storage tanks	...do...	29.7	5.6	34.8	5.4
	Mechanical stokers (MA-34N)					
34336 56	Class 1 (capacity under 61 pounds of coal per hour): Bituminous	1,000 units	1.2	0.2	2.3	0.5
	Anthracite:					
34336 57	Conversion stokers[4]	...do...	1.0	0.7	0.1	(Z)
34336 62	Integral units[5]	...do...			4.1	2.5
	Class 2 (capacity 61 to 100 pounds of coal per hour):					
34336 63	Bituminous	...do...	0.3	0.1	0.1	0.2
34336 64	Anthracite	...do...	(Z)	(Z)	0.1	(Z)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3433- --	HEATING EQUIPMENT, EXCEPT ELECTRIC--Continued					
	Duct furnaces--Continued					
	Mechanical stokers--Continued					
34336 65	Class 3 (capacity 100 to 300 pounds of coal per hour)	...do...	0.3	0.2	0.3	0.4
34336 66	Class 4 (capacity 301 to 1,200 pounds of coal per hour)	...do...	0.1	0.2	0.3	0.4
	Class 5 (capacity 1,201 pounds of coal per hour and over):					
34336 67	Installed under fire-tube boilers	...do...	0.1	2.1	0.2	5.5
34336 68	Installed under water-tube boilers	...do...				
34336 59	Parts for unit heaters and unit ventilators (MA-35H)	...	(X)	1.3	(X)	2.0
34336 60	Unit ventilators (MA-35H)	...	52.0	26.4	(X)	26.0
34336 35	Heavy duty forced warm air type unit heaters (over 400,000 BTU/hr.)	...	(NA)	5.5	(NA)	2.7
34336 61	Tanks for water heaters (sold separately)	1,000 units...	([6])	([6])	250.4	5.4
	Parts and attachments for heating equipment (sold separately):					
34336 73	For warm air furnaces	...	(X)	10.9	(X)	17.6
34336 74	For cast iron and steel heating boilers	...	(X)	3.1	(X)	15.5
34336 83	For mechanical stokers	...	(X)	2.1	(X)	3.0
34336 85	For oil burners	...	(X)	11.2	(X)	14.6
34336 98	Other heating equipment, except electric (including incinerators, solar heaters, and circulating fireplace heaters) and other parts for heating equipment, except electric (sold separately)	...	(X)	124.6	(X)	60.4
34336 00	Other heating equipment, n.s.k.	...	(X)	13.8	(X)	16.9
34330 00	Heating equipment, n.s.k. (For establishments with 10 or more employees, See Note)	...	(X)	64.8	(X)	41.2
34330 02	Heating equipment, n.s.k. (For establishments with fewer than 10 employees, See Note.)	...	(X)	8.8		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (X) Not applicable. (NA) Not available. n.s.k. Not specified by kind. (Z) Less than 50 thousand units.

[1]Differs from value of shipments of metal plumbing fixtures reported in the Census Quarterly Survey due to different methods of reporting values in the two surveys.

[2]This figure represents value of metal plumbing fixtures only. The detailed values do not add to this total because certain plumbing fixtures made of other materials such as vitreous china, concrete, etc. are included in the detail below.

[3]Commercial and industrial burners are those with consumption rates of 6 gallons per hour or more.

[4]Conversion stoker-a conversion stoker is a mechanical stoker which may be installed in any of the common types of furnaces or boilers.

[5]Integral unit-an integral unit consists of a boiler or furnace, an automatic coal feeding mechanism, accessories and usually a metal enclosure, the whole assembly having been designed as a complete, compact and coordinated heating unit.

[6]Included with product code 34336 98 "other heating equipment" etc. to avoid disclosing operations of individual companies.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
OIL BURNERS, RESIDENTIAL, INDUSTRIAL (EXCLUDING PARTS) (34331)		
United States	35.2	42.0
Northeast Region	14.5	16.3
New England Div.	6.0	4.6
Connecticut	5.4	3.4
Middle Atlantic Div.	8.4	11.7
New York	3.6	6.4
New Jersey	1.8	3.1
Pennsylvania	3.1	2.3
North Central Region	14.4	20.9
East North Central Div.	12.2	(D)
Ohio	BB	7.7
Indiana	CC	(1)
Illinois	2.7	7.4
Wisconsin	AA	(1)
West North Central Div.	2.3	(D)
Kansas	AA	(D)
South Region	2.7	(D)
South Atlantic Div.	AA	(D)
Virginia	AA	(D)
West Region	3.6	(D)
Pacific Div.	BB	(D)
California	BB	3.9
WARM AIR FURNACES (EXCLUDING FLOOR, WALL) AND PARTS (34332)		
United States	215.5	204.5
Northeast Region	FF	31.8
Middle Atlantic Div.	FF	(D)
New York	8.2	12.0
New Jersey	17.9	(1)
Pennsylvania	BB	(1)
North Central Region	139.5	132.8
East North Central Div.	97.0	113.3
Ohio	57.2	69.4
Indiana	18.2	16.6
Michigan	EE	12.2
Wisconsin	CC	8.9
West North Central Div.	42.5	19.5
Minnesota	BB	(1)
Iowa	13.8	(1)
Missouri	EE	(1)
Kansas	EE	(1)
South Region	28.1	15.7
South Atlantic Div.	8.3	(D)
Virginia	CC	(D)
East South Central Div.	13.7	(D)
Tennessee	13.7	(1)
West South Central Div.	6.1	(D)
Oklahoma	AA	(1)
Texas	BB	(1)
West Region	EE	24.2
Pacific Div.	EE	(D)
California	17.6	22.9
CAST IRON HEATING BOILERS, RADIATORS, CONVECTORS (34333)		
United States	133.3	138.9
Northeast Region	101.8	108.9
New England Div.	10.4	15.0
Massachusetts	6.1	8.5
Connecticut	4.3	(1)
Middle Atlantic Div.	91.4	93.9
New York	43.6	40.1
New Jersey	7.5	15.4
Pennsylvania	40.3	38.4
North Central Region	21.9	27.4
East North Central Div.	FF	(D)
Ohio	BB	(1)
Indiana	EE	18.3
Michigan	AA	(D)
Wisconsin	1.2	(D)
South Region	BB	(D)
South Atlantic Div.	BB	(D)
Maryland	BB	(D)
Virginia	BB	(D)
West Region	CC	(D)
Pacific Div.	CC	(D)
California	CC	(D)
DOMESTIC HEATING STOVES (EXCLUDING ELECTRIC AND PARTS) (34334)		
United States	50.1	79.1
North Central Region	24.1	48.0
East North Central Div.	FF	31.2
Indiana	AA	(1)
Illinois	15.0	16.0
Michigan	AA	(1)
Wisconsin	BB	(1)
West North Central Div.	AA	16.8
Kansas	AA	(1)
South Region	FF	(D)
South Atlantic Div.	BB	5.8
West Virginia	AA	(1)
Georgia	BB	2.7
East South Central Div.	EE	17.5
Kentucky	AA	(1)
Tennessee	6.9	7.4
Alabama	6.1	7.0
West South Central Div.	BB	(D)
Texas	BB	(1)
West Region	BB	(D)
Pacific Div.	BB	(D)
California	BB	(D)
STEEL HEATING BOILERS, 15 PSI AND UNDER, EXCEPT PARTS (34335)		
United States	67.0	70.3
Northeast Region	40.3	(D)
New England Div.	1.4	(D)
Massachusetts	AA	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
STEEL HEATING BOILERS, 15 PSI AND UNDER, EXCEPT PARTS (34335)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	38.9	45.9
New York	4.9	4.4
New Jersey	6.7	8.8
Pennsylvania	27.3	32.7
North Central Region	14.7	(D)
East North Central Div.	EE	14.5
Indiana	BB	(1)
Illinois	EE	(1)
West North Central Div.	AA	(D)
Kansas	AA	(D)
South Region	2.6	(D)
East South Central Div.	AA	(D)
Mississippi	AA	(D)
West Region	9.3	(D)
Pacific Div.	9.3	(D)
California	9.3	6.8
OTHER HEATING EQUIPMENT AND PARTS, EXCLUDING ELECTRIC (34336)		
United States	379.7	317.3
Northeast Region	104.1	79.5
New England Div.	6.2	11.5
Massachusetts	3.3	5.5
Connecticut	BB	3.5
Middle Atlantic Div.	98.0	68.0
New York	19.2	17.5
New Jersey	14.8	12.3
Pennsylvania	63.9	38.2
OTHER HEATING EQUIPMENT AND PARTS, EXCLUDING ELECTRIC (34336)--Con.		
North Central Region	164.0	172.0
East North Central Div.	137.7	155.4
Ohio	49.0	53.5
Indiana	22.5	19.6
Illinois	36.0	44.2
Michigan	14.8	10.5
Wisconsin	15.5	27.7
West North Central Div.	26.3	16.6
Minnesota	5.8	4.6
Iowa	BB	(1)
Missouri	CC	2.6
Nebraska	CC	(1)
Kansas	8.4	5.8
South Region	72.5	35.0
South Atlantic Div.	10.7	5.5
Virginia	7.6	(D)
North Carolina	AA	(D)
East South Central Div.	49.6	16.3
Kentucky	32.7	(1)
Tennessee	15.8	11.8
Alabama	1.1	(1)
West South Central Div.	12.2	13.2
Arkansas	BB	(1)
Oklahoma	AA	(1)
Texas	5.7	5.6
West Region	39.0	30.7
Mountain Div.	CC	2.5
Utah	CC	2.0
Pacific Div.	FF	28.2
Washington	BB	(1)
California	29.7	26.3

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In million of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
34310	Metal plumbing fixtures	213.1	209.4	209.5	217.7	203.5	180.0	207.2	126.9
34320	Plumbing fixture fittings and trim (brass goods)	404.6	412.0	401.4	386.9	329.6	259.5	212.4	159.7
3433-	Heating equipment, except electric	954.6	952.8	940.1	908.7	893.2	837.0	772.5	(NA)
34331	Oil burners, residential, industrial (sold separately), except parts	35.2	48.5	52.7	47.5	42.0	46.6	54.8	108.6
34332	Warm air furnaces (except floor and wall), except parts	215.5	235.4	229.6	218.3	204.5	232.5	222.5	148.6
34333	Cast iron heating boilers, radiators and convectors, except parts	133.3	138.6	146.0	146.4	138.9	121.5	104.2	87.7
34334	Domestic heating stoves (except electric), except parts	50.1	69.0	56.8	59.6	79.1	69.8	70.1	146.3
34335	Steel heating boilers (15 p.s.i. and under), except parts	67.0	68.6	72.6	74.1	70.3	62.8	53.2	43.5
34336	Other heating equipment, except electric, including parts for nonelectric heating equipment	379.7	355.2	349.5	323.8	317.3	268.0	267.8	(NA)
34330	Heating equipment, except electric, n.s.k.	73.6	(37.5)	(33.0)	38.9	41.2	35.7	-	-

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3431.—METAL SANITARY WARE					
	Materials, parts, containers, and supplies, total	.....	(X)	84.6	(X)	77.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			0.9	0.2
331012	Sheet and strip	...do.....			55.7	8.7
331013	Plates	...do.....	41.2	7.4		
331019	All other carbon steel mill shapes and forms	...do.....			2.2	0.4
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....			1.1	0.1
331029	All other alloy steel mill shapes and forms	...do.....	7.1	6.6	-	-
331031	Stainless steel mill shapes and forms	...do.....			4.8	6.5
	Copper and copper base alloy:					
335790	Insulated wire and cable	Million lbs. copper content..	-	-	(1)	(1)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....				
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(1)	(1)	2.9	1.4
335127	Pipe and tube	...do.....				
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes, rod, pipe, etc	...do.....				
335209	All other aluminum mill shapes and forms (wire, rolled rod, sheet, plate, foil, etc.)	...do.....	0.4	0.2	(1)	(1)
	Primary metals:					
331051	Pig iron	1,000 short tons.	45.0	2.7	75.8	4.8
333401	Aluminum and aluminum-base alloy refinery shapes, (ingot, slugs, etc.)	...do.....	(Z)	(Z)	(1)	(1)
333122	Copper and copper-base alloy refinery shapes	...do.....	(1)	(1)	(1)	(1)
	Scrap (excluding home scrap):					
999811	Iron and steel	...do.....	196.2	7.0	217.4	7.7
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)[3]	...do.....	(1)	(1)	5.1	1.7
332300	Steel	...do.....	(1)	(1)	(1)	(1)
336100	Aluminum and aluminum-base alloy	Million lbs.....	(1)	(1)	(1)	(1)
336200	Copper and copper-base alloy	...do.....	(1)	(1)	(1)	(1)
339100	Iron and steel forgings[2]	1,000 short tons.	-	-	(1)	(1)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	45.2	(X)	42.4
976000	Materials, n.s.k[3]	.....	(X)	15.5	(X)	3.6
	INDUSTRY 3432.--PLUMBING FITTINGS AND BRASS GOODS					
	Materials, parts, containers, and supplies, total	.....	(X)	194.5	(X)	156.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.			4.3	0.8
331013	Plates	...do.....			1.1	0.2
331019	All other carbon steel mill shapes and forms	...do.....			8.2	2.2
	Alloy steel (except stainless):		7.3	2.3		
331021	Bars and bar shapes	...do.....			0.3	(Z)
331029	All other alloy steel mill shapes and forms	...do.....				
331031	Stainless steel mill shapes and forms	...do.....			2.0	1.9
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content).	(1)	(1)	(1)	(1)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	64.0	27.8	47.3	21.1
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	7.4	4.5	10.2	4.4
335127	Pipe and tube	...do.....	23.6	15.0	33.0	15.8
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes, rod, bar, etc	...do.....			0.7	(Z)
335209	All other aluminum mill shapes and forms (wire, rolled, bar, sheet, plate, foil, etc.)	...do.....	(NA)	0.2	0.4	(Z)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3432.--PLUMBING FITTINGS AND BRASS GOODS--Continued					
	Primary metals:					
331051	Pig iron	1,000 short tons.	-	-	(1)	(1)
333401	Aluminum and aluminum-base alloy refinery shapes	...do	(Z)	(Z)	(1)	(1)
333122	Copper and copper-base alloy refinery shapes	...do	(NA)	16.4	30.5	13.7
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	(1)	(1)	-	-
999808	Aluminum and aluminum-base alloy	...do	(1)	(1)	(1)	(1)
999812	Copper and copper-base alloy	...do	(1)	(1)	6.8	3.4
	Castings (rough and semifinished): [4]					
332011	Iron (gray and malleable)	...do	3.1	1.2	4.0	1.1
332300	Steel	...do	(1)	(1)	(1)	(1)
336100	Aluminum and aluminum-base alloy	Million lbs	(1)	(1)	(1)	(1)
336200	Copper and copper-base alloy	...do	30.6	19.3	19.4	10.1
339100	Iron and steel forgings [4]	1,000 short tons.	-	-	(1)	(1)
970099	All other materials, and components, parts, containers, and supplies consumed		(X)	88.1	(X)	69.2
976000	Materials, components, parts, containers, and supplies consumed, n.s.k. [4] [3]		(X)	19.7	(X)	12.3
	INDUSTRY 3433.--HEATING EQUIPMENT, EXCEPT ELECTRIC					
	Materials, parts, containers, and supplies, total		(X)	477.5	(X)	470.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	11.5	2.4	11.3	2.0
331012	Sheet and strip	...do	325.5	52.1	371.6	59.3
331013	Plates	...do	61.5	11.5	49.3	7.0
331015	Structural shapes	...do	8.1	1.9	3.0	0.6
331017	Wire and wire products	...do	(NA)	1.7	1.7	0.6
331019	All other carbon steel mill shapes and forms	...do	11.7	2.6	15.1	3.8
331020	Alloy steel (except stainless)	...do	(NA)	0.9	8.3	2.9
331031	Stainless steel	...do	4.5	5.3	2.9	3.4
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	6.3	4.1	2.5	1.0
335123	Plate, sheet, and strip (including military cups and discs)	...do	(NA)	2.2	1.8	1.1
335127	Pipe and tube	...do	25.2	14.5	13.4	8.6
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	14.0	5.8	16.8	6.8
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, etc.)	...do	4.5	2.1	1.5	0.6
331051	Pig iron	1,000 short tons.	40.8	2.5	61.2	3.8
999811	Iron and steel scrap (excluding home scrap)	...do	117.7	4.4	101.6	3.7
	Casting (rough and semifinished): [5]					
332011	Iron (gray and malleable)	...do	33.5	16.2	31.2	10.7
336100	Aluminum and aluminum-base alloy	Million lbs	3.9	3.2	3.9	2.9
336200	Copper and copper-base alloy	...do	3.3	2.5	1.7	1.2
	Electric motors and generators: [5]					
	Fractional horsepower electric motors (under 1 hp.)					
362110	Timing motors, synchronous and subsynchronous	1,000	1,505.5	15.9	718.7	8.1
362115	Other fractional horsepower electric motors	...do	1,201.1	15.8	1,566.7	17.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do	42.5	3.0	24.3	1.7
	Bearings:					
356218	Ball		(X)	(1)	(X)	0.5
356201	Roller		(X)	-		
970099	All other materials and components, parts, containers, and supplies		(X)	223.4	(X)	264.3
976000	Materials, components, parts, containers, and supplies consumed, n.s.k. [3]		(X)	83.5	(X)	57.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. e From 10 to 30 percent of this figure was estimated. (Z) Less than half the unit of measure specified.

[1] Included with material code 970099, "All other materials and components...." to avoid disclosing figures for individual companies.

[2] Data are not available for castings or forgings produced and consumed in the same establishment except for iron castings which totaled 182.0 thousand short tons in 1967 and 187.5 thousand short tons in 1963.

[3] This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[4] No data are available for castings or forgings produced and consumed in the same establishment.

[5] No data are available for castings or electric motors and generators produced and consumed in the same establishment.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Metal sanitary ware (SIC 3431)	Heating equipment, except electric (SIC 3433)
	Cost of purchased fuels and electric energy, total....	Million dollars.	6.2	9.4
	Cost of purchased fuels, total.....	...do.....	4.2	4.6
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons	10.8	18.5
	Cost.....	Million dollars.	0.3	0.1
331212 331213	Coke, screenings, and breeze:			
	Quantity.....	1,000 short tons	34.9	20.9
	Cost.....	Million dollars.	1.1	0.8
	Fuel oil, total:			
	Quantity.....	1,000 barrels...	74.4	155.1
	Cost.....	Million dollars..	0.3	0.6
291141	Distillate:			
	Quantity.....	1,000 barrels...	(D)	86.8
	Cost.....	Million dollars.	(D)	0.4
291151	Residual:			
	Quantity.....	1,000 barrels...	(D)	68.3
	Cost.....	Million dollars.	(D)	0.2
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
	Quantity.....	Million cu. ft..	4,538.2	2,594.6
	Cost.....	Million dollars.	2.2	1.6
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	-	0.1
	Fuels, n.s.k.....	...do.....	0.3	1.4
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs.	176.6	387.7
	Cost.....	Million dollars.	2.0	4.9
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	11.4	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	2,198.2	2,392.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967-Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3431	METAL SANITARY WARE										
	ENTIRE INDUSTRY	91	10.1	71.3	8.1	16.4	53.5	140.6	109.3	251.2	7.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	76	6.3	43.5	5.0	9.9	32.9	90.8	71.0	163.6	2.5
3432	PLUMBING FITTINGS AND BRASS GOODS										
	ENTIRE INDUSTRY	214	14.5	92.6	11.4	22.8	64.2	183.3	217.9	404.7	8.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	196	12.5	77.8	9.8	19.3	53.7	153.1	194.2	352.7	5.4
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC										
	ENTIRE INDUSTRY	533	40.6	264.0	29.0	57.5	160.7	547.9	526.8	1 069.0	31.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	471	24.2	156.0	17.2	33.9	93.6	318.0	286.4	602.4	11.3
34331	OIL BURNERS, RESIDENTIAL, INDUSTRIAL (EXC. PARTS) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	27	1.2	8.4	.7	1.4	4.2	17.8	26.0	43.2	.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	15	.4	2.5	.3	.5	1.3	5.4	8.6	13.7	.1
34332	WARM AIR FURNACES (EXC. FLOOR, WALL) AND PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	35	9.2	59.1	6.7	13.5	36.9	132.4	175.9	307.0	15.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	12	1.1	6.8	.7	1.4	3.5	13.7	18.5	31.9	.6
34333	CAST IRON HEATING BOILERS, RADIATORS, CONVECTORS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	35	5.7	38.0	4.2	8.2	25.5	78.5	66.3	146.6	2.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	30	4.7	31.8	3.5	6.7	21.0	66.2	56.7	125.0	1.8
34334	DOMESTIC HEATING STOVES (EXC. ELECTRIC AND PARTS) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	15	3.1	15.9	2.4	4.5	10.2	30.6	28.8	56.6	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	5	.9	5.1	.7	1.4	3.1	13.1	9.7	20.7	(D)
34335	STEEL HEATING BOILERS, 15 PSI AND UNDER, EXC. PTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	28	2.1	13.6	1.6	3.2	8.5	23.3	28.2	51.6	1.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	1.1	6.8	.8	1.6	4.1	12.1	15.9	27.7	.3
34336	OTHER HEATING EQUIPMENT AND PARTS, EXC. ELECTRIC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	134	15.9	109.5	10.8	21.7	62.3	229.2	167.3	393.1	10.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	98	9.0	59.2	6.2	12.5	34.4	119.1	89.9	209.6	4.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations."

FABRICATED STRUCTURAL METAL PRODUCTS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3441--Fabricated Structural Steel
3442--Metal Doors, Sash, Frames, Molding and Trim
3443--Fabricated Platework (Boiler Shops)
3444--Sheet Metalwork
3446--Architectural Metalwork
3449--Miscellaneous Metalwork

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3441--FABRICATED STRUCTURAL STEEL PRODUCTS

This industry comprises establishments primarily engaged in manufacturing fabricated iron and steel or other metal for structural purposes, for bridges, buildings; and sections for ships, boats, and barges. Establishments primarily engaged in manufacturing metal doors, sash, frames, molding, and trim are classified in industry 3442; and fabrication work done by construction contractors at the site of construction is classified in construction industries. For a detailed list of products of industry 3441, refer to table 6A, product codes 3441121 to 3441398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Fabricated Structural Steel Industry in 1967 totaled $2,968 million. This included shipments of fabricated structural steel (primary products), valued at $2,325 million, shipments of other products (secondary products) valued at $302 million, and miscellaneous receipts (mainly resales of products bought and resold without further manufacture) of $341 million.

This industry's shipments of fabricated structural steel (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 consisted mainly of fabricated platework ($71 million), miscellaneous metalwork ($69 million), and sheet metalwork ($45 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 65 percent of the total industry shipments are represented by plants specializing in product class 34411, Fabricated structural metal for buildings.

Industry 3441 shipments of fabricated structural steel (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $2,562 million shipped by all industries. In 1963, the coverage ratio was 89 percent. Other industries shipping fabricated structural steel (primary products) included industry 3731, Ship Building and Repairing, $41 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3441, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3442--METAL DOORS, SASH, FRAMES, MOLDING, AND TRIM

This industry comprises establishments primarily engaged in manufacturing ferrous and nonferrous metal and metal covered doors and sash, window and door frames and screens, molding and trim. For a detailed list of products of industry 3442, refer to table 6A, product codes 3442113 to 3442551.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Doors, Sash, and Trim Industry in 1967 totaled $1,414 million. This included shipments of metal doors, sash, and trim (primary products), valued at $1,219 million, shipments of other products (secondary products) valued at $117 million, and miscellaneous receipts (mainly resales of products bought and resold without further manufacture) of $78 million.

This industry's shipments of metal doors, sash, and trim (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 included sheet metalwork ($30 million), and miscellaneous metalwork ($25 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 24 percent of the total industry shipments are represented by plants specializing in product class 34421, Metal doors and frames (except storm doors); and 22 percent in 34422, Metal window sash and frames (except storm sash).

Industry 3442 shipments of metal doors, sash, and trim (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $1,302 million shipped by all industries. In 1963, the coverage ratio was also 94 percent. Other industries shipping metal doors, sash, and trim (primary products) included industry 2431, Millwork, $10 million; industry 3444, Sheet Metalwork, $9 million, and industry 3441, Fabricated Structural Metal, $9 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3442, these establishments accounted for approximately 2 percent of payroll and value added by manufacture.

3443--FABRICATED PLATEWORK (BOILER SHOPS)

This industry comprises establishments primarily engaged in manufacturing power and marine boilers, pressure and nonpressure tanks, processing and storage vessels, heat exchangers, weldments and similar products by the process of cutting, forming and joining metal plates, shapes, bars, sheet, pipe mill products and tubing to custom or standard design for factory or field assembly. Establishments primarily engaged in manufacturing nonelectric heating apparatus other than power boilers are classified in industry 3433, and household cooking apparatus in industry 3631. For a detailed list of products of industry 3443, refer to table 6A, product codes 3443111 to 3443959.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Fabricated Platework (Boiler Shops) Industry in 1967 totaled $2,689 million. This included shipments of fabricated platework (boiler shop products) (primary products), valued at $2,209 million, shipments of other products (secondary products) valued at $228 million, and miscellaneous receipts of $252 million.

This industry's shipments of fabricated platework (boiler shop products) (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent. Secondary products shipped by this industry in 1967 included fabricated structural steel ($28 million), sheet metalwork ($24 million), and heating equipment, except electric ($24 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 24 percent of the total industry shipments are represented by plants specializing in product class 34433, Steel power boilers, parts and attachments; and 19 percent 34438, Metal tanks and vessels, custom fabricated at the factory.

Industry 3443 shipments of fabricated platework (boiler shop products) (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $2,589 million shipped by all industries. In 1963, the coverage ratio was 83 percent. Other industries shipping fabricated platework (boiler shop products) (primary products) included industry 3441, Fabricated Structural Metal, $71 million; industry 3585, Refrigeration Machinery, $22 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3443, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3444--SHEET METALWORK

This industry comprises establishments primarily engaged in manufacturing sheet metalwork for buildings (not including fabrication work done by construction contractors at the place of construction), and manufacturing sheet metal stovepipes, light tanks, etc. For a detailed list of products of industry 3444, refer to table 6A, product codes 3444105 to 3444398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Sheet Metalwork Industry in 1967 totaled $1,812 million. This included shipments of sheet metalwork (primary products), valued at $1,402 million, shipments of other products (secondary products) valued at $194 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $216 million.

This industry's shipments of sheet metalwork (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 88 percent. Secondary products shipped by this industry in 1967 consisted mainly of architectural metalwork ($35 million), miscellaneous metalwork ($29 million), and fabricated platework (boiler shop products) ($21 million).

Industry 3444 shipments of sheet metalwork (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $1,687 million shipped by all industries. In 1963, the coverage ratio was 78 percent. Other industries shipping sheet metalwork (primary products) consisted mainly of industry 3441, Fabricated Structural Steel, $45 million; industry 3312, Blast Furnaces and Steel Mills, $40 million; industry 3442, Metal Doors, Sash, and Trim, $30 million; and industry 3352, Aluminum Rolling and Drawing, $29 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3444, these establishments accounted for approximately 4 percent of payroll and value added by manufacture.

3446--ARCHITECTURAL AND ORNAMENTAL METALWORK

This industry comprises establishments primarily engaged in manufacturing architectural and ornamental metalwork of ferrous and nonferrous metals, such as stairs and staircases, open steel flooring (grating), fire escapes, grilles, railings, and fences and gates, except those made from wire. Establishments primarily engaged in manufacturing prefabricated and portable metal buildings and parts, and miscellaneous metalwork, are classified in industry 3449. For a detailed list of products of industry 3446, refer to table 6A, product codes 3446011 to 3446061.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Architectural Metalwork Industry in 1967 totaled $485 million. This included shipments of architectural metalwork (primary products), valued at $390 million, shipments of other products (secondary products) valued at $77 million, and miscellaneous receipts of $18 million.

This industry's shipments of architectural metalwork (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 consisted mainly of fabricated structural steel ($28 million), and fabricated platework (boiler shops products) ($20 million).

Industry 3446 shipments of architectural metalwork (primary products) in 1967 represented 77 percent (coverage ratio) of these products valued at $505 million shipped by all industries. In 1963, the coverage ratio was 71 percent. Other industries shipping architectural metalwork (primary products) consisted mainly of industry 3444, Sheet Metalwork, $35 million; and industry 3441, Fabricated Structural Steel, $33 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3446, these establishments accounted for approximately 8 percent of payroll and 9 percent of value added by manufacture.

3449--MISCELLANEOUS METALWORK

This industry comprises establishments primarily engaged in manufacturing miscellaneous ferrous and nonferrous metalwork, such as prefabricated and portable metal buildings and parts, metal plaster bases, fabricated bar joists and concrete reinforcing bars, and prefabricated exterior metal panels. For a detailed list of products of industry 3449, refer to table 6A, product codes 3449211 to 3449379.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Miscellaneous Metalwork Industry in 1967 totaled $1,082 million. This included shipments of miscellaneous metalwork (primary products), valued at $859 million, shipments of other products (secondary products) valued at $112 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $111 million.

This industry's shipments of miscellaneous metalwork (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 89 percent. Secondary products shipped by this industry in 1967 included fabricated structural steel ($32 million), and sheet metalwork ($21 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 51 percent of the total industry shipments are represented by plants specializing in product class 34493, Miscellaneous metal building material and curtain wall; 37 percent in 34492, Prefabricated and portable metal buildings and parts.

Industry 3449 shipments of miscellaneous metalwork (primary products) in 1967 represented 77 percent (coverage ratio) of these products valued at $1,117 million shipped by all industries. In 1963, the coverage ratio was 68 percent. Other industries shipping miscellaneous metalwork (primary products) consisted mainly of industry 3312, Blast Furnaces and Steel Mills, $103 million; and industry 3441, Fabricated Structural Steel, $69 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3449, these establishments accounted for approximately 2 percent of payroll and 4 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3441.--FABRICATED STRUCTURAL STEEL														
1967 Census	1,960	1,035	107.5	773.6	80.1	163.6	509.9	1,319.3	1,624.6	2,967.8	76.6	599.8	89	91
1966 ASM[1]	(NA)	(NA)	97.4	665.2	73.4	148.5	443.8	1,059.7	1,498.6	2,601.7	*46.1	614.4	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	93.1	609.7	69.8	141.6	405.2	1,038.7	1,357.2	2,314.5	54.9	659.3	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	88.1	562.1	65.5	134.9	376.1	877.2	1,252.8	2,097.7	37.9	531.1	(NA)	(NA)
1963 Census	1,718	817	85.4	527.2	63.7	127.9	350.3	814.8	1,141.0	1,916.0	28.2	497.9	86	89
1962 ASM[1]	(NA)	(NA)	79.2	483.6	59.0	121.5	315.8	697.8	1,065.5	1,795.1	19.2	429.8	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	84.3	494.9	62.4	126.4	321.6	776.1	1,038.0	1,814.1	25.2	463.4	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	87.9	510.0	63.9	133.4	326.4	820.0	1,070.2	1,834.5	27.2	473.1	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	82.7	462.5	59.9	119.9	290.6	702.0	970.3	1,710.5	28.4	418.2	(NA)	(NA)
1958 Census[2]	1,861	780	91.3	502.7	68.0	135.8	332.7	821.6	1,017.7	1,901.1	37.7	465.5	87	91
INDUSTRY 3442.--METAL DOORS, SASH, AND TRIM														
1967 Census	1,646	597	63.9	378.5	47.9	94.8	235.7	651.1	764.6	1,413.6	24.3	208.9	91	94
1966 ASM[1]	(NA)	(NA)	63.8	360.5	46.3	96.8	222.0	638.5	767.1	1,397.2	24.9	216.8	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	63.7	348.1	45.4	96.4	213.1	607.5	725.9	1,323.4	25.0	194.8	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	63.1	333.7	45.5	93.2	203.9	568.7	704.0	1,271.3	21.1	183.6	(NA)	(NA)
1963 Census	1,817	628	62.8	324.8	46.6	95.7	206.1	570.4	681.4	1,253.8	21.3	180.0	88	94
1962 ASM[1]	(NA)	(NA)	59.3	307.1	43.4	96.1	189.1	541.3	636.5	1,172.9	23.7	158.9	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	57.8	284.7	42.3	91.2	144.6	489.8	607.3	1,100.7	17.6	150.9	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	61.6	299.9	44.8	94.4	183.9	506.0	612.6	1,126.8	19.3	159.4	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	59.8	287.0	44.0	89.3	176.6	500.1	635.4	1,139.2	*20.0	169.6	(NA)	(NA)
1958 Census[2]	1,546	560	57.9	273.2	42.4	83.8	171.8	469.0	570.8	1,037.4	18.1	161.8	91	93
INDUSTRY 3443.--FABRICATED PLATEWORK (BOILER SHOPS)														
1967 Census	1,465	784	96.4	700.4	73.1	150.4	477.5	1,393.4	1,303.9	2,688.5	81.9	510.6	91	85
1966 ASM[1]	(NA)	(NA)	90.9	631.7	67.5	139.8	419.9	1,181.2	1,188.3	2,323.2	62.1	464.7	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	84.1	559.2	62.5	129.0	374.5	1,006.7	1,037.7	2,000.2	45.5	419.5	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	76.2	497.9	56.4	116.6	334.4	847.6	901.2	1,744.4	39.2	337.4	(NA)	(NA)
1963 Census	1,383	601	75.0	465.4	54.6	111.4	310.5	770.1	860.6	1,623.0	32.9	319.5	89	83
1962 ASM[1]	(NA)	(NA)	72.9	449.8	51.4	104.1	286.1	672.7	801.0	1,499.6	31.5	257.3	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	76.6	456.2	53.9	107.3	289.8	669.2	808.5	1,477.4	21.2	299.5	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	79.9	468.7	56.4	113.2	299.9	677.6	843.5	1,521.7	29.4	302.6	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	83.2	473.2	58.2	116.3	298.6	716.8	836.5	1,591.0	40.3	323.8	(NA)	(NA)
1958 Census[2]	1,252	557	90.6	497.1	64.7	127.2	323.2	755.0	879.4	1,670.0	45.0	363.5	89	83
INDUSTRY 3444.--SHEET METALWORK														
1967 Census	3,054	811	68.1	490.7	52.9	105.8	336.0	889.3	927.5	1,812.4	44.4	254.2	88	83
1966 ASM[1]	(NA)	(NA)	71.9	501.8	56.3	115.3	349.0	883.1	950.5	1,834.8	40.7	268.3	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	66.4	428.9	52.0	109.0	299.9	753.5	839.3	1,577.9	33.8	224.6	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	62.9	395.3	78.7	101.1	278.4	693.2	702.1	1,385.4	28.6	197.5	(NA)	(NA)
1963 Census	3,250	755	61.7	373.3	78.0	97.1	264.7	632.4	669.8	1,303.7	26.2	189.1	88	78
1962 ASM[1]	(NA)	(NA)	64.4	382.7	49.2	103.7	263.1	615.2	669.1	1,280.5	31.7	178.9	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	62.6	354.8	77.5	99.5	240.0	581.1	629.0	1,203.8	24.1	177.4	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	61.2	342.8	46.2	97.6	231.6	569.4	615.4	1,179.8	25.7	166.8	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	61.6	344.3	47.1	97.2	228.6	584.1	616.8	1,195.0	*22.5	161.1	(NA)	(NA)
1958 Census[2]	3,158	698	58.8	307.9	44.4	86.1	210.9	516.1	567.6	1,077.8	22.3	148.4	88	82
INDUSTRY 3446.--ARCHITECTURAL METALWORK														
1967 Census	1,377	198	19.3	123.0	15.4	29.5	81.5	232.6	254.6	484.9	7.4	60.0	83	77
1966 ASM[1]	(NA)	(NA)	17.5	107.7	13.8	28.0	76.5	191.9	153.3	342.0	*8.9	37.6	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	16.9	99.7	1.1	27.8	69.5	172.3	145.5	313.1	*7.7	39.9	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	14.8	86.4	111.8	23.5	61.3	156.1	135.6	292.1	*8.5	54.0	(NA)	(NA)
1963 Census	1,334	173	15.6	87.0	12.5	24.2	60.6	148.8	119.3	269.3	6.1	39.4	86	71
1962 ASM[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(N))	(NA)	(NA)	(NA)
1961 ASM[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2 4]	1,343	(NA)	21.0	111.0	16.0	31.6	74.2	180.9	145.1	322.4	6.5	(NA)	(NA)	(NA)

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3449.--MISCELLANEOUS METALWORK													
1967 Census....	649	280	32.7	220.7	23.2	47.4	137.4	448.6	637.2	1,082.0	23.0	181.9	89	77
1966 ASM[1].....	(NA)	(NA)	30.1	200.3	20.7	44.6	121.4	415.9	616.8	1,014.5	19.4	180.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	27.3	169.5	18.5	39.0	98.9	360.2	501.9	859.0	13.4	149.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	25.8	153.1	14.0	34.2	91.7	315.8	443.3	759.7	13.3	115.8	(NA)	(NA)
1963 Census[4]...	697	246	25.0	145.0	17.0	34.5	68.8	283.4	420.9	704.2	11.5	109.9	89	68
1962 ASM[3].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[3].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[3].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA))	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[3].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2 4].	248	(NA)	21.2	113.8	14.8	30.4	68.4	220.1	371.4	594.7	9.4	(NA)	(NA)	(NA)

Note: In 1967, 1963, and 1958, the number of companies in industry 3441 was 1,865, 1,636, and 1,793, respectively; in industry 3442: 1,540, 1,712, and 1,468; industry 3443: 1,346, 1,301, and 1,180; industry 3444: 2,942, 3,139, and 3,075; industry 3446: 1,360, 1,326, and (NA); industry 3449: 594, 649, and (NA). The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Prior to 1963, industry 3449 was combined with industry 3446,"Architectural Metalwork."

[4]Industry 3446 was not a separate industry in the 1958 Census of Manufactures but was part of SIC 3449, Miscellaneous Metalwork, N.E.C. However, data were published in 1958 for plants classified in SIC 3449 specializing in the production of ornamental and structural metalwork. This is the source of the separate data for industries 3446 and 3449.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3441.--FABRICATED STRUCTURAL STEEL								
1967 Census	6,825	75	2,041	3.12	.55	.79	12,274	56	8.07
1966 ASM	6,827	75	2,022	2.99	.58	.83	10,876	63	7.14
1965 ASM	6,551	75	2,028	2.86	.59	.85	11,162	59	7.34
1964 ASM	6,377	74	2,059	2.79	.60	.87	9,951	64	6.50
1963 Census	6,172	75	2,009	2.74	.60	.87	9,538	65	6.37
1962 ASM	6,104	75	2,059	2.60	.59	.86	8,809	69	5.74
1961 ASM	5,869	74	2,026	2.54	.57	.85	9,204	64	6.14
1960 ASM	5,805	73	2,087	2.45	.58	.86	9,333	62	6.15
1959 ASM	5,591	72	2,004	2.42	.57	.84	8,487	66	5.85
1958 Census	5,509	75	1,996	2.45	.54	.80	9,004	61	6.05
	INDUSTRY 3442.--METAL DOORS, SASH, AND TRIM								
1967 Census	5,921	75	1,980	2.49	.54	.81	10,185	58	6.89
1966 ASM	5,653	73	2,093	2.29	.55	.81	10,014	56	6.60
1965 ASM	5,465	71	2,122	2.21	.55	.81	9,537	57	6.30
1964 ASM	5,290	72	2,047	2.19	.55	.82	9,015	59	6.10
1963 Census	5,172	74	2,052	2.15	.54	.80	9,082	57	5.96
1962 ASM	5,176	73	2,218	1.97	.54	.80	9,123	57	5.63
1961 ASM	4,923	73	2,156	1.91	.55	.81	8,469	58	5.37
1960 ASM	4,866	73	2,108	1.95	.54	.81	8,210	59	5.36
1959 ASM	4,801	74	2,028	1.98	.56	.81	8,365	57	5.60
1958 Census	4,719	73	1,976	2.05	.55	.81	8,101	58	5.59
	INDUSTRY 3443.--FABRICATED PLATEWORK (BOILER SHOPS)								
1967 Census	7,263	76	2,058	3.18	.48	.75	14,449	50	9.27
1966 ASM	6,947	74	2,368	2.63	.51	.78	12,989	53	7.39
1965 ASM	6,648	74	2,063	2.91	.52	.80	11,969	56	7.80
1964 ASM	6,531	74	2,069	2.87	.52	.80	11,119	59	7.27
1963 Census	6,203	73	2,039	2.79	.53	.82	10,265	60	6.91
1962 ASM	6,167	70	2,025	2.75	.53	.83	9,224	67	6.46
1961 ASM	5,956	70	1,991	2.70	.55	.86	8,737	68	6.24
1960 ASM	5,870	71	2,007	2.65	.55	.86	8,485	69	5.98
1959 ASM	5,686	70	1,999	2.57	.53	.82	8,614	66	6.16
1958 Census	5,490	71	1,967	2.54	.53	.82	8,338	66	5.94
	INDUSTRY 3444.--SHEET METALWORK								
1967 Census	7,206	78	1,999	3.17	.51	.78	13,058	55	8.40
1966 ASM	6,980	78	2,123	2.92	.52	.79	12,284	57	7.38
1965 ASM	6,463	78	2,097	2.75	.53	.80	11,355	57	6.91
1964 ASM	6,287	77	2,077	2.75	.51	.79	11,024	57	6.85
1963 Census	6,055	78	2,021	2.73	.51	.80	10,257	59	6.51
1962 ASM	5,943	76	2,110	2.54	.52	.82	9,552	62	5.93
1961 ASM	5,667	76	2,095	2.41	.52	.82	9,282	61	5.84
1960 ASM	5,602	76	2,110	2.37	.52	.81	9,305	60	5.84
1959 ASM	5,426	76	2,062	2.35	.52	.80	9,480	57	6.01
1958 Census	5,236	76	1,940	2.45	.53	.81	8,778	60	5.99
	INDUSTRY 3446.--ARCHITECTURAL METALWORK								
1967 Census	6,386	80	1,921	2.76	.53	.78	12,082	53	7.89
1966 ASM	6,174	79	2,026	2.73	.45	.76	10,995	56	6.84
1965 ASM	5,889	77	2,120	2.50	.46	.78	10,175	58	6.20
1964 ASM	5,853	80	1,991	2.61	.46	.76	10,571	55	6.64
1963 Census	5,579	80	1,940	2.51	.44	.77	9,544	58	6.15
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	5,295	77	1,971	2.35	.45	.79	8,631	61	5.73
	INDUSTRY 3449.--MISCELLANEOUS METALWORK								
1967 Census	6,752	71	2,040	2.90	.59	.79	13,725	49	9.46
1966 ASM	6,645	69	2,157	2.72	.61	.81	13,798	48	9.34
1965 ASM	6,209	68	2,111	2.54	.58	.78	13,195	47	9.24
1964 ASM	5,940	66	2,015	2.68	.58	.79	12,250	48	9.23
1963 Census	5,804	68	2,034	2.57	.60	.80	11,341	51	8.21
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	5,378	70	2,051	2.25	.62	.82	10,404	52	7.24

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3441-- FABRICATED STRUCTURAL STEEL													
UNITED STATES	1 960	1 035	107.5	773.6	80.1	163.6	509.9	1 319.3	1 624.6	2 967.8	76.6	85.4	814.8
NORTHEAST REGION	538	258	27.3	201.7	20.1	38.9	132.6	340.9	407.8	765.0	19.0	24.8	226.4
NEW ENGLAND DIVISION	99	44	3.5	27.8	2.6	5.3	17.5	46.2	57.0	104.5	1.7	2.8	29.3
MAINE	7	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	4.6
VERMONT	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
MASSACHUSETTS	52	22	1.8	14.1	1.4	2.7	9.6	23.4	25.2	48.7	.7	1.4	11.8
RHODE ISLAND	7	3	.2	1.0	.1	.2	.8	1.1	2.5	3.5	.1	.1	1.9
CONNECTICUT	29	12	.8	7.0	.5	1.2	3.9	12.5	15.3	28.8	.4	.7	8.4
MIDDLE ATLANTIC DIVISION	439	214	23.8	174.0	17.5	33.6	115.1	294.7	350.8	660.6	17.4	21.9	197.1
NEW YORK	201	86	6.5	49.9	4.9	9.7	33.7	78.1	90.8	174.6	3.2	5.7	66.3
NEW JERSEY	88	41	3.3	26.1	2.3	4.7	16.5	54.2	51.9	110.4	1.3	2.9	33.0
PENNSYLVANIA	150	87	13.9	97.9	10.2	19.2	64.8	162.4	208.1	375.5	12.9	13.4	97.8
NORTH CENTRAL REGION	579	309	32.7	248.3	23.6	48.9	156.2	440.5	515.2	949.8	24.0	24.4	263.8
EAST NORTH CENTRAL DIVISION	447	231	25.1	193.4	17.8	36.7	119.6	339.6	380.9	713.0	19.0	18.7	202.0
OHIO	122	68	5.6	42.2	4.1	8.6	27.3	71.4	91.6	162.1	3.5	4.6	45.3
INDIANA	55	31	4.9	35.5	3.5	7.1	22.4	53.1	80.4	127.8	4.5	4.7	42.4
ILLINOIS	130	64	5.5	42.8	4.1	8.5	28.3	81.6	72.5	154.7	6.1	4.2	46.3
MICHIGAN	96	46	6.4	52.8	4.4	9.2	31.3	101.1	100.8	202.3	2.6	3.5	48.9
WISCONSIN	44	22	2.5	20.2	1.6	3.3	10.2	32.3	35.6	66.2	2.3	1.6	19.1
WEST NORTH CENTRAL DIVISION	132	78	7.7	55.0	5.8	12.2	36.7	101.0	134.4	236.8	5.8	5.7	61.8
MINNESOTA	30	16	1.3	10.6	1.1	2.4	7.6	20.0	24.1	44.1	2.4	.9	8.8
IOWA	21	13	1.8	12.5	1.4	2.9	8.9	15.9	35.8	54.6	.7	1.0	10.7
MISSOURI	46	24	2.1	16.0	1.6	3.3	10.1	37.2	37.3	73.4	.9	1.6	22.9
NORTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
SOUTH DAKOTA	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
NEBRASKA	11	8	.7	4.5	.5	.9	2.6	6.2	14.2	20.7	.1	.6	4.8
KANSAS	21	14	1.3	8.8	1.0	2.0	6.0	17.9	16.0	33.1	.7	1.1	11.5
SOUTH REGION	523	317	32.6	208.0	25.1	54.2	139.9	350.7	497.3	848.8	23.9	25.2	201.9
SOUTH ATLANTIC DIVISION	219	139	11.4	74.0	8.5	18.3	46.5	124.9	183.9	308.4	7.4	9.0	78.3
MARYLAND	30	18	1.3	8.1	.9	1.8	4.9	14.7	16.1	30.7	1.4	1.0	9.3
DISTRICT OF COLUMBIA	4	3	.2	1.2	.2	.3	.9	3.2	1.8	5.0	(D)	(2)	(2)
VIRGINIA	40	25	2.8	18.4	2.1	4.6	11.7	31.1	47.7	78.0	1.9	2.5	24.0
WEST VIRGINIA	13	12	.7	5.1	.6	1.2	3.5	8.7	9.0	18.6	(D)	.6	6.3
NORTH CAROLINA	28	21	1.8	12.2	1.3	2.9	7.5	21.8	35.4	56.4	.7	1.4	11.7
SOUTH CAROLINA	21	14	1.3	8.4	1.0	2.4	5.5	15.1	29.5	44.6	1.1	.9	7.7
GEORGIA	33	17	1.2	7.6	.8	1.7	4.1	11.1	16.3	27.1	1.0	.9	6.9
FLORIDA	50	29	2.1	12.9	1.6	3.4	8.5	19.4	28.0	48.0	.7	1.6	12.2
EAST SOUTH CENTRAL DIVISION	104	60	6.1	38.2	4.7	10.0	26.0	72.7	88.8	162.0	4.5	5.5	46.7
KENTUCKY	10	3	.2	1.1	.1	.3	.6	2.2	3.1	5.5	.1	.2	1.8
TENNESSEE	39	27	2.2	14.0	1.7	3.6	9.4	28.8	30.6	58.7	2.2	1.9	15.7
ALABAMA	40	23	3.0	18.6	2.3	4.9	13.4	30.4	39.6	70.7	1.5	2.9	23.7
MISSISSIPPI	15	7	.7	4.6	.5	1.1	2.6	11.2	15.5	27.0	.7	.5	5.5
WEST SOUTH CENTRAL DIVISION	200	118	15.1	95.8	11.9	25.9	67.4	153.1	224.7	378.3	12.1	10.7	76.8
ARKANSAS	14	8	1.1	6.0	.8	1.8	4.0	6.7	25.5	32.4	1.2	.6	6.1
LOUISIANA	40	23	3.0	20.7	2.5	5.3	16.7	33.5	41.9	75.6	2.0	.8	11.5
OKLAHOMA	27	17	3.4	21.5	2.5	5.2	13.7	31.8	42.7	73.4	1.8	2.2	14.0
TEXAS	118	69	7.2	44.7	5.6	12.7	30.3	75.0	110.7	187.5	6.0	7.0	45.2
WEST REGION	320	151	14.9	115.6	11.4	21.6	81.1	187.2	204.2	404.2	9.6	11.0	122.7
MOUNTAIN DIVISION	70	40	3.1	22.5	2.3	4.4	14.5	36.0	44.0	79.0	1.3	2.7	24.7
IDAHO	8	4	.3	2.3	.2	.5	1.4	4.2	6.0	10.2	.1	.2	1.9
COLORADO	21	14	.8	5.7	.6	1.2	3.7	9.8	10.5	19.9	.4	.6	5.0
ARIZONA	16	9	1.1	7.9	.8	1.3	4.8	12.1	11.6	23.1	.6	1.0	10.6
UTAH [6]	12	6	.6	3.9	.4	.9	2.8	6.1	10.8	16.9	.1	.5	5.2
PACIFIC DIVISION	250	111	11.8	93.1	9.1	17.2	66.6	151.1	160.2	325.2	8.3	8.4	98.0
WASHINGTON	34	16	2.1	17.8	1.8	3.4	13.9	30.5	28.3	59.5	2.6	1.4	17.4
OREGON	26	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	13.0
CALIFORNIA	187	84	8.9	69.4	6.7	12.5	48.3	111.0	122.5	246.7	5.4	5.8	64.5
3442-- METAL DOORS, SASH, AND TRIM													
UNITED STATES	1 646	597	63.9	378.5	47.9	94.8	235.7	651.1	764.6	1 413.6	24.3	62.8	570.4
NORTHEAST REGION	472	164	16.1	97.4	12.0	23.9	60.6	163.6	175.4	338.7	3.6	17.4	158.0
NEW ENGLAND DIVISION	123	38	2.8	15.7	2.1	4.0	9.7	27.5	30.2	57.8	.6	2.9	26.5
NEW HAMPSHIRE	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.9
MASSACHUSETTS	59	18	1.2	6.8	.9	1.7	4.2	10.9	13.6	24.6	.3	1.2	10.7
RHODE ISLAND [6]	15	1	.2	1.4	.2	.3	.8	2.8	3.2	6.0	(Z)	.3	2.6
CONNECTICUT [6]	31	13	.9	5.3	.6	1.2	2.9	9.1	9.8	19.0	.1	.9	8.6
MIDDLE ATLANTIC DIVISION	349	126	13.3	81.7	9.8	19.9	50.9	136.1	145.2	280.9	3.1	14.5	131.5
NEW YORK	171	65	6.0	39.0	4.4	8.8	23.6	63.1	54.5	117.7	1.2	6.8	59.1
NEW JERSEY	76	27	2.2	12.7	1.7	3.5	8.5	24.0	27.2	51.4	.6	2.8	25.4
PENNSYLVANIA	102	34	5.0	30.0	3.8	7.5	18.8	49.0	63.5	111.8	1.3	4.8	46.9

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3442-- METAL DOORS, SASH, AND TRIM--CONTINUED													
NORTH CENTRAL REGION	471	183	20.8	128.2	15.6	30.5	80.6	222.3	263.2	486.1	9.7	21.7	202.3
EAST NORTH CENTRAL DIVISION	344	131	16.6	104.9	12.5	24.7	66.2	184.5	219.8	404.6	8.5	17.3	162.5
OHIO	83	30	5.1	33.0	3.7	7.3	19.6	56.4	64.9	122.7	3.0	6.0	56.3
INDIANA	30	14	2.1	12.8	1.6	3.2	8.1	19.6	21.7	40.8	1.6	2.0	18.7
ILLINOIS	91	34	3.6	22.0	2.8	5.5	15.2	33.3	49.0	82.4	1.5	4.6	43.6
MICHIGAN	107	43	4.9	32.1	3.7	7.4	20.3	65.9	74.6	140.0	2.2	4.1	37.7
WISCONSIN	33	10	.9	5.0	.6	1.3	3.0	9.2	9.6	18.8	.3	.7	6.3
WEST NORTH CENTRAL DIVISION	127	52	4.2	23.3	3.1	5.8	14.4	37.8	43.4	81.5	1.2	4.4	39.8
MINNESOTA	29	11	.9	6.4	.7	1.4	4.1	10.9	9.5	20.3	.1	.7	6.4
IOWA	17	7	.4	2.2	.4	.7	1.5	3.8	3.5	7.1	.6	.4	2.8
MISSOURI	43	23	2.1	11.4	1.5	2.8	6.8	16.0	21.7	38.2	(D)	2.6	22.9
NEBRASKA	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.1
KANSAS	20	5	.5	2.2	.4	.7	1.3	4.7	6.1	10.8	.1	.6	6.5
SOUTH REGION	433	162	18.7	99.6	14.2	28.8	61.7	177.6	229.7	404.7	8.0	15.4	128.9
SOUTH ATLANTIC DIVISION	229	91	11.1	61.6	8.3	16.9	37.5	108.4	143.9	250.5	5.5	8.9	75.9
MARYLAND	17	8	.8	5.1	.5	.9	2.1	12.3	13.7	23.9	1.3	.3	4.4
VIRGINIA	25	9	.8	4.6	.6	1.2	2.9	7.2	7.4	14.9	.4	.7	6.1
NORTH CAROLINA	24	8	.6	2.8	.5	.9	1.8	5.1	7.8	12.8	.3	.6	3.5
SOUTH CAROLINA	13	3	.3	1.5	.3	.5	1.1	2.3	4.6	6.9	.4	.3	2.3
GEORGIA	40	14	3.2	17.6	2.5	5.3	11.3	29.0	48.8	78.8	1.2	2.2	21.6
FLORIDA	97	47	5.2	29.4	3.9	7.9	18.0	51.5	60.2	110.8	1.9	4.8	37.0
EAST SOUTH CENTRAL DIVISION	80	28	2.9	14.0	2.2	4.7	9.2	24.3	36.2	60.1	1.2	2.6	20.8
KENTUCKY	22	7	.8	4.2	.6	1.3	2.8	7.2	9.5	16.6	.3	1.1	8.6
TENNESSEE	28	10	.8	3.7	.6	1.3	2.5	7.2	10.2	17.4	.2	.7	5.7
ALABAMA	20	5	.7	3.4	.5	1.0	2.0	5.6	8.1	13.5	.3	.4	4.4
MISSISSIPPI	10	6	.6	2.7	.5	1.1	1.9	4.3	8.4	12.6	.4	.4	2.1
WEST SOUTH CENTRAL DIVISION	124	43	4.8	24.0	3.7	7.2	15.0	45.0	49.7	94.1	1.2	3.9	32.3
ARKANSAS [e]	19	4	.6	2.5	.5	1.1	2.0	5.4	7.2	12.2	(D)	.3	2.4
LOUISIANA [e]	13	4	.4	2.4	.3	.6	1.4	4.4	4.2	8.5	.2	.6	4.9
OKLAHOMA	20	6	.9	5.6	.7	1.4	3.5	11.9	7.7	19.5	(D)	.9	9.9
TEXAS	72	29	2.8	13.4	2.2	4.2	8.0	23.4	30.6	53.9	.9	2.1	15.1
WEST REGION	270	88	8.3	53.2	6.1	11.6	32.8	87.6	96.2	184.2	3.1	8.3	81.2
MOUNTAIN DIVISION	31	12	.6	4.3	.4	.8	2.0	7.8	6.6	14.3	.3	.6	5.6
COLORADO	16	7	.3	2.6	.2	.4	.9	4.7	3.6	8.2	(Z)	.3	3.1
PACIFIC DIVISION	239	76	7.7	48.9	5.7	10.7	30.8	79.8	89.6	169.9	2.7	7.7	75.6
WASHINGTON [e]	33	7	1.1	7.2	.8	1.5	4.7	12.4	13.0	25.1	.5	1.0	10.4
OREGON	17	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
CALIFORNIA	186	65	6.3	39.1	4.6	8.7	24.3	63.2	73.2	137.3	2.1	6.4	61.4
3443-- FABRICATED PLATEWK (BOILER SHOPS)													
UNITED STATES	1 465	784	96.4	700.4	73.1	150.4	477.5	1 393.4	1 303.9	2 688.5	81.9	75.0	770.1
NORTHEAST REGION	398	197	23.9	177.6	17.6	35.8	118.0	338.7	290.5	616.2	16.9	19.3	193.3
NEW ENGLAND DIVISION	97	36	3.2	25.0	2.0	4.2	14.4	38.8	30.7	71.1	4.1	2.4	28.0
NEW HAMPSHIRE	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
MASSACHUSETTS	55	23	1.8	12.8	1.3	2.7	8.5	23.0	15.5	38.0	1.2	1.8	22.1
RHODE ISLAND	8	1	.2	1.1	.1	.2	.6	2.0	2.2	4.3	(Z)	(2)	(2)
CONNECTICUT	24	8	.9	9.1	.4	.8	3.8	10.8	10.3	22.8	(D)	.4	5.0
MIDDLE ATLANTIC DIVISION	301	161	20.7	152.5	15.5	31.6	103.6	299.8	259.8	545.1	12.8	16.9	165.3
NEW YORK	94	42	4.9	36.9	3.6	7.3	24.6	72.6	63.0	130.9	4.5	3.8	43.7
NEW JERSEY	70	32	2.2	17.3	1.6	3.3	10.8	32.2	28.0	58.9	.9	2.3	23.2
PENNSYLVANIA	137	87	13.7	98.3	10.4	21.1	68.1	195.0	168.9	355.3	7.4	10.8	98.4
NORTH CENTRAL REGION	454	253	30.8	227.9	23.0	47.0	154.4	399.5	397.6	795.8	24.3	24.9	249.1
EAST NORTH CENTRAL DIVISION	356	203	25.0	184.7	18.6	37.8	125.3	403.0	316.4	717.2	21.3	20.8	208.1
OHIO	102	59	10.0	75.5	6.7	13.7	47.2	130.2	143.2	269.6	7.5	8.6	91.0
INDIANA	44	24	3.0	20.1	2.5	4.9	15.4	32.4	41.7	75.0	6.9	2.4	21.7
ILLINOIS	80	47	4.2	31.4	3.3	7.1	22.2	73.8	53.5	125.6	2.2	3.6	36.1
MICHIGAN	80	37	2.7	22.1	2.2	4.5	15.6	37.5	34.0	73.5	1.8	1.7	18.8
WISCONSIN	50	36	5.1	35.5	3.9	7.7	24.9	52.5	43.8	96.9	2.7	4.4	40.5
WEST NORTH CENTRAL DIVISION	98	50	5.8	43.3	4.5	9.2	29.1	73.0	81.3	155.1	3.0	4.2	41.0
MINNESOTA	22	12	1.1	9.3	.8	1.6	5.6	16.4	18.6	34.3	.8	.6	4.9
IOWA	18	7	.6	3.3	.4	.9	2.2	4.6	6.0	10.8	.2	.9	9.7
MISSOURI	30	14	2.9	22.7	2.3	4.8	16.5	37.0	36.9	75.1	1.3	2.0	20.3
NEBRASKA	8	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.4
KANSAS	15	11	.7	4.5	.5	1.2	3.1	7.9	8.3	16.2	.5	.3	2.4
SOUTH REGION	378	228	32.5	221.5	25.7	54.3	158.7	432.3	485.2	924.6	33.6	22.5	242.1
SOUTH ATLANTIC DIVISION	120	68	6.9	44.1	5.6	11.5	32.0	89.7	105.4	197.0	7.2	6.0	70.7
DELAWARE	6	3	.5	3.7	.5	1.0	3.1	5.4	6.5	14.5	.5	.3	6.9
MARYLAND	17	9	.5	3.1	.4	.7	2.0	4.2	6.7	11.2	.2	.6	4.8
VIRGINIA	14	11	1.5	10.7	1.1	2.3	6.8	17.9	28.6	46.3	3.4	1.2	14.8
NORTH CAROLINA	20	10	1.3	7.3	1.1	2.1	5.9	29.2	22.7	51.0	1.6	1.2	8.9
SOUTH CAROLINA	9	4	.3	1.8	.2	.4	1.2	3.0	5.1	8.1	.2	.2	2.0
GEORGIA	18	12	1.6	9.6	1.4	2.8	7.5	19.3	22.8	41.9	.7	1.5	18.8
FLORIDA	32	15	1.1	6.6	.8	1.8	4.6	8.9	11.9	21.1	.6	.6	5.8

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3443-- FABRICATED PLATEWK (BOILER SHOPS)--CONTINUED													
SOUTH REGION--CONTINUED													
EAST SOUTH CENTRAL DIVISION	72	47	10.1	71.0	7.9	16.1	50.6	145.5	133.9	280.2	16.6	7.5	72.8
KENTUCKY	17	9	.7	5.0	.6	1.2	3.2	8.0	8.7	17.0	.6	.5	4.5
TENNESSEE	24	15	6.1	44.6	4.5	9.0	30.0	52.5	77.8	135.5	14.2	(2)	(2)
ALABAMA	22	15	1.7	11.9	1.5	3.0	9.3	54.3	27.4	81.1	1.0	1.7	21.4
MISSISSIPPI	9	8	1.5	9.4	1.4	2.9	8.1	30.7	20.0	46.6	.7	(2)	(2)
WEST SOUTH CENTRAL DIVISION	186	113	15.5	106.4	12.2	26.8	76.0	197.2	245.9	447.4	9.9	9.4	105.8
ARKANSAS	12	7	.4	1.9	.3	.8	1.4	3.2	3.9	7.0	.1	.2	1.0
LOUISIANA	13	7	2.2	16.7	1.7	3.9	11.8	28.3	27.9	56.5	2.0	1.8	18.3
OKLAHOMA	42	27	4.1	28.4	3.3	7.5	21.1	68.5	71.3	138.3	3.4	2.0	30.7
TEXAS	119	72	8.8	59.3	6.8	14.6	41.6	97.2	142.8	245.7	4.4	5.4	55.8
WEST REGION	235	106	9.2	73.4	6.7	13.3	46.5	146.4	130.6	275.4	7.1	8.3	85.5
MOUNTAIN DIVISION	36	21	1.7	12.1	1.3	2.6	8.2	32.2	28.8	60.7	.7	1.9	18.9
COLORADO	12	6	.6	4.3	.4	.8	2.6	6.0	8.4	14.4	.3	.7	4.2
UTAH	10	8	.8	5.8	.7	1.3	4.3	22.8	16.1	38.7	.3	1.0	11.0
PACIFIC DIVISION	199	85	7.5	61.2	5.4	10.7	38.3	114.2	101.8	214.8	6.5	6.4	66.6
WASHINGTON	26	13	.8	6.2	.6	1.2	4.4	11.2	8.1	18.9	.3	(2)	(2)
OREGON	18	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.6
CALIFORNIA	153	63	5.7	46.4	4.0	7.9	28.0	93.8	78.6	170.5	5.4	5.6	57.5
3444-- SHEET METALWORK													
UNITED STATES	3 054	811	68.1	490.7	52.9	105.8	336.0	889.3	927.5	1 812.4	44.4	61.7	632.4
NORTHEAST REGION	869	257	19.8	146.1	15.6	31.1	100.8	261.2	191.7	448.6	13.6	18.6	186.5
NEW ENGLAND DIVISION	264	70	5.0	35.5	4.0	7.9	24.5	59.8	40.2	98.7	3.3	4.1	37.2
MAINE[e]	11	2	.2	.9	.1	.2	.7	1.3	1.2	2.5	(Z)	(2)	(2)
NEW HAMPSHIRE	14	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.1
MASSACHUSETTS	146	42	2.8	20.8	2.2	4.4	14.6	34.9	23.9	57.4	1.7	2.8	25.8
RHODE ISLAND	25	5	.2	1.8	.2	.4	1.4	2.7	1.6	4.3	.1	.2	1.9
CONNECTICUT	63	17	1.5	10.2	1.2	2.4	6.7	17.6	11.0	28.7	1.3	.8	7.6
MIDDLE ATLANTIC DIVISION	605	187	14.8	110.6	11.6	23.2	76.3	201.4	151.6	349.9	10.4	14.6	149.4
NEW YORK	251	75	6.2	46.7	5.0	10.2	34.3	75.9	47.2	122.1	3.1	6.3	64.3
NEW JERSEY	191	61	4.1	31.0	3.3	6.8	22.0	51.1	44.3	94.7	1.8	3.2	33.7
PENNSYLVANIA	163	51	4.5	32.9	3.3	6.2	20.0	74.4	60.1	133.1	5.5	5.0	51.3
NORTH CENTRAL REGION	771	251	26.3	191.5	19.9	40.6	127.6	352.6	439.0	793.5	18.7	23.2	247.7
EAST NORTH CENTRAL DIVISION	600	200	20.0	148.1	15.3	31.3	100.2	276.0	335.0	609.1	15.6	17.5	186.6
OHIO	180	63	7.5	55.7	5.7	11.6	38.0	95.9	142.5	236.7	7.0	5.5	64.7
INDIANA	68	30	2.1	13.7	1.6	3.3	9.2	28.2	38.0	65.9	1.5	1.7	16.6
ILLINOIS	164	47	3.8	27.0	3.0	5.9	18.9	46.1	49.3	95.7	2.0	3.7	36.9
MICHIGAN	123	40	3.1	24.8	2.4	5.1	17.3	50.8	47.4	96.6	2.7	3.5	39.5
WISCONSIN	65	20	3.6	26.9	2.5	5.4	16.8	55.1	57.8	114.1	2.4	3.1	29.0
WEST NORTH CENTRAL DIVISION	171	51	6.3	43.4	4.6	9.3	27.4	76.6	104.0	184.4	3.1	5.7	61.1
MINNESOTA	48	12	.9	5.9	.7	1.3	4.0	11.6	10.4	22.1	(D)	.9	7.6
IOWA	23	6	1.3	9.3	.9	1.9	5.7	12.5	12.4	25.0	.2	1.1	10.7
MISSOURI	57	16	3.0	20.7	2.0	4.1	13.3	38.5	58.7	99.4	.7	2.3	26.1
NEBRASKA	15	7	.6	3.9	.4	.9	2.1	7.5	12.2	20.5	1.0	.8	9.6
KANSAS	20	8	.4	2.5	.4	.7	1.7	4.6	6.7	11.9	.6	.4	5.0
SOUTH REGION	820	179	12.7	80.9	10.2	20.1	56.7	146.1	171.9	316.9	6.8	10.8	93.4
SOUTH ATLANTIC DIVISION	353	93	6.6	43.2	5.3	10.4	30.4	78.2	97.5	174.5	3.4	5.9	53.1
MARYLAND	43	13	1.1	7.5	.9	1.8	5.5	16.0	16.1	31.3	.5	1.0	9.4
DISTRICT OF COLUMBIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
VIRGINIA	31	13	.7	4.4	.6	1.1	3.2	7.5	6.1	13.5	.3	.7	6.1
WEST VIRGINIA	13	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	8.6
NORTH CAROLINA	60	15	1.1	6.1	.8	1.6	3.8	13.2	19.4	32.3	.5	.9	6.5
SOUTH CAROLINA[e]	24	4	.2	1.0	.2	.3	.7	2.1	1.5	3.5	.1	(2)	(2)
GEORGIA	55	12	.9	5.4	.7	1.4	3.6	8.4	10.8	19.3	.3	.9	7.8
FLORIDA	122	29	1.8	11.2	1.4	2.7	7.8	20.8	20.1	40.6	.8	1.4	12.2
EAST SOUTH CENTRAL DIVISION	144	29	2.1	13.6	1.7	3.3	9.1	28.0	30.5	58.4	1.9	1.6	15.2
KENTUCKY	23	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.3
TENNESSEE	54	11	.7	4.6	.6	1.2	2.7	9.1	10.5	19.8	1.1	.6	6.3
ALABAMA	42	7	.5	2.8	.4	.8	1.8	6.6	7.4	13.8	.2	.4	4.0
WEST SOUTH CENTRAL DIVISION	323	57	4.0	24.2	3.2	6.3	17.2	39.9	44.0	83.9	1.5	3.2	25.1
ARKANSAS	35	6	.4	2.6	.3	.7	1.8	3.3	4.5	7.8	.1	.2	.8
LOUISIANA	51	8	.4	2.5	.3	.6	1.7	4.9	7.0	11.9	.2	.6	4.8
OKLAHOMA	39	5	.3	1.8	.3	.5	1.2	3.7	4.5	8.0	.1	.5	4.0
TEXAS	198	38	2.8	17.3	2.3	4.6	12.5	28.0	28.1	56.3	1.0	2.0	15.5
WEST REGION	594	124	9.3	72.2	7.3	14.1	50.9	129.4	124.8	253.5	5.3	9.0	104.8
MOUNTAIN DIVISION	95	13	1.0	6.4	.8	1.6	4.8	11.5	12.7	24.0	.8	1.0	11.5
COLORADO	26	2	.3	2.0	.2	.5	1.5	2.9	3.0	5.9	.2	.3	3.0
ARIZONA[e]	35	6	.3	1.9	.3	.5	1.4	3.0	3.3	6.3	.4	.2	2.3
PACIFIC DIVISION	499	111	8.3	65.8	6.4	12.5	46.1	117.9	112.2	229.5	4.5	8.1	93.2
WASHINGTON	49	11	.7	5.5	.6	1.1	4.1	9.8	9.3	19.0	.3	.8	9.4
OREGON	44	9	.8	6.3	.6	1.2	4.9	10.4	12.6	23.6	.2	.7	6.9
CALIFORNIA	396	90	6.7	53.2	5.1	10.0	36.4	95.9	89.8	184.6	3.8	6.5	76.4

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3446-- ARCHITECTURAL METALWORK													
UNITED STATES	1 377	198	19.3	123.0	15.4	29.5	81.5	232.6	254.6	484.9	7.4	15.6	148.8
NORTHEAST REGION	472	57	6.0	37.5	4.9	9.3	25.9	66.7	62.9	127.2	2.0	5.4	53.9
NEW ENGLAND DIVISION	67	4	.4	2.8	.3	.5	1.6	5.9	4.1	9.8	.1	.8	8.9
MASSACHUSETTS	31	2	.2	1.9	.2	.3	.9	3.1	1.8	4.8	(Z)	.2	2.0
MIDDLE ATLANTIC DIVISION	405	53	5.6	34.6	4.6	8.7	24.3	60.9	58.7	117.3	1.9	4.6	44.9
NEW YORK	179	25	2.0	12.1	1.6	3.0	8.1	20.9	16.7	37.5	.5	2.0	20.8
NEW JERSEY	82	6	.6	4.2	.4	.8	2.7	8.9	6.3	15.3	.2	.5	5.9
PENNSYLVANIA	144	22	3.0	18.4	2.5	4.9	13.5	31.0	35.8	64.6	1.2	2.1	18.2
NORTH CENTRAL REGION	310	56	4.9	34.2	3.8	7.4	21.7	66.7	51.1	117.0	2.3	3.9	40.8
EAST NORTH CENTRAL DIVISION	232	43	4.0	28.5	3.1	6.1	18.0	55.7	44.5	99.3	2.1	3.2	34.0
OHIO	66	13	1.3	8.4	1.0	2.0	6.0	16.6	12.4	28.4	.6	1.2	13.3
INDIANA	22	2	.2	1.1	.2	.3	.8	2.5	2.4	4.9	.1	.3	3.2
ILLINOIS	75	12	1.0	7.4	.8	1.6	4.3	14.4	15.0	29.3	.4	.9	8.2
MICHIGAN	44	11	1.1	8.6	.8	1.6	5.3	15.9	10.6	26.3	.9	.5	6.1
WISCONSIN	25	5	.4	3.1	.3	.5	1.6	6.2	4.0	10.3	.2	.3	3.2
WEST NORTH CENTRAL DIVISION	78	13	.9	5.7	.7	1.3	3.6	11.0	6.7	17.7	.2	.7	6.7
MINNESOTA[c]	22	5	.3	1.9	.2	.4	1.3	2.8	1.9	4.7	.1	.3	2.2
MISSOURI[c]	21	3	.2	1.6	.2	.4	1.1	2.6	1.7	4.3	(Z)	.3	2.8
KANSAS	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	392	58	5.2	28.8	4.1	7.8	17.9	56.4	48.5	104.2	1.7	3.4	28.0
SOUTH ATLANTIC DIVISION	203	34	2.9	16.5	2.3	4.4	10.0	28.8	21.9	50.4	1.2	1.8	14.6
MARYLAND	35	8	.7	4.5	.5	1.0	2.6	7.4	5.1	12.3	.1	.4	4.4
VIRGINIA	22	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.4
SOUTH CAROLINA	16	4	.2	1.0	.2	.4	.8	2.1	1.3	3.4	.2	.1	.8
GEORGIA	28	4	.3	1.5	.2	.5	1.0	3.4	2.6	5.9	.1	.1	1.4
FLORIDA	63	8	1.0	4.7	.7	1.4	2.9	8.7	5.6	14.5	.4	.3	2.6
EAST SOUTH CENTRAL DIVISION	85	15	1.4	7.2	1.1	1.9	4.6	16.7	18.7	35.0	.3	.7	4.9
KENTUCKY	22	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.2
TENNESSEE	36	6	.6	3.4	.4	.7	1.7	6.9	7.4	14.2	.1	(2)	(2)
ALABAMA	23	5	.5	1.9	.4	.7	1.5	6.2	8.9	15.2	.1	.2	.8
WEST SOUTH CENTRAL DIVISION	104	9	.9	5.1	.7	1.5	3.3	10.9	8.0	18.7	.2	.9	8.6
OKLAHOMA	13	2	.2	1.1	.1	.3	.7	1.4	1.2	2.7	(D)	.1	1.4
TEXAS	67	5	.6	3.2	.5	1.0	2.0	7.5	5.7	13.1	.2	.7	6.1
WEST REGION	203	27	3.2	22.5	2.6	5.0	16.0	42.9	92.1	136.6	1.5	2.8	26.1
MOUNTAIN DIVISION	46	5	1.0	6.2	.9	1.7	4.7	11.4	8.5	20.4	.5	.9	7.6
ARIZONA	11	3	.7	3.9	.5	1.1	2.9	6.7	5.1	12.2	.4	(2)	(2)
UTAH	10	1	.2	1.2	.2	.3	1.0	2.8	2.1	5.1	(D)	.3	3.1
PACIFIC DIVISION	157	22	2.1	16.3	1.7	3.3	11.3	31.4	83.6	116.2	1.0	1.9	18.5
CALIFORNIA	122	19	2.0	15.2	1.6	3.0	10.5	29.3	82.1	112.6	.9	1.7	17.1
3449-- MISCELLANEOUS METALWORK													
UNITED STATES	649	280	32.7	220.7	23.2	47.4	137.4	448.6	637.2	1 082.0	23.0	25.0	283.4
NORTHEAST REGION	145	49	4.7	32.2	3.5	7.0	19.9	51.7	93.7	146.6	2.6	3.7	41.1
NEW ENGLAND DIVISION	23	8	.9	6.5	.7	1.5	4.6	10.2	18.2	28.4	.7	.4	3.9
MAINE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
MASSACHUSETTS	13	6	.4	2.5	.3	.6	1.8	5.1	9.1	14.1	.3	.3	2.6
MIDDLE ATLANTIC DIVISION	122	41	3.7	25.7	2.7	5.5	15.3	41.5	75.5	118.2	2.0	3.3	37.1
NEW YORK	43	10	.9	5.4	.7	1.3	3.5	12.1	16.4	27.2	1.0	1.3	13.6
NEW JERSEY	27	7	.6	4.3	.5	.9	2.8	7.3	17.6	24.6	.2	.6	7.4
PENNSYLVANIA	52	24	2.2	16.1	1.6	3.2	9.0	22.1	41.6	66.4	.7	1.4	16.1
NORTH CENTRAL REGION	156	69	10.4	71.6	7.4	15.1	45.8	159.9	229.9	389.6	8.1	8.7	116.5
EAST NORTH CENTRAL DIVISION	113	51	7.7	54.1	5.5	11.3	35.5	125.7	189.5	314.2	6.3	6.3	92.1
OHIO	30	14	2.3	16.4	1.7	3.5	11.6	32.8	62.0	95.8	2.4	1.7	24.8
INDIANA	13	6	1.5	11.2	1.1	2.2	7.1	25.0	32.4	57.2	1.8	1.1	15.5
ILLINOIS	32	19	3.0	20.5	2.2	4.3	13.3	56.1	80.1	135.1	1.6	2.9	46.1
MICHIGAN	26	8	.4	2.3	.3	.5	1.5	5.5	8.8	13.7	.1	.6	5.4
WISCONSIN	12	4	.5	3.8	.3	.7	2.0	6.3	6.1	12.4	.4	(2)	(2)
WEST NORTH CENTRAL DIVISION	43	18	2.7	17.5	1.9	3.8	10.3	34.3	40.4	75.4	1.9	2.4	24.4
MINNESOTA	8	6	.7	5.0	.6	1.2	3.4	9.8	10.7	20.9	.1	.8	6.4
IOWA	8	3	.5	3.2	.4	.9	2.4	5.5	5.5	10.6	.2	(2)	(2)
MISSOURI	11	2	.2	1.2	.1	.2	.6	2.3	3.7	5.9	(D)	.2	2.7
NEBRASKA	7	4	1.0	6.4	.6	1.3	3.3	13.1	15.6	29.5	.6	.7	8.0
KANSAS	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.2
SOUTH REGION	239	115	11.9	70.4	8.5	17.6	43.2	146.6	208.3	351.0	8.4	8.8	74.9
SOUTH ATLANTIC DIVISION	100	52	5.7	33.0	4.0	8.4	18.8	68.7	106.2	172.4	5.3	3.8	35.8
MARYLAND	14	11	1.5	9.2	.8	1.6	4.1	20.2	22.0	40.4	.7	1.0	9.2
VIRGINIA	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	4.7
NORTH CAROLINA	11	6	.5	3.0	.4	.8	1.6	6.8	16.5	23.3	1.1	.3	2.0
SOUTH CAROLINA	10	6	1.1	5.3	.8	1.7	3.5	10.5	15.5	25.6	.8	(2)	(2)
GEORGIA	15	8	1.0	6.0	.8	1.6	3.8	13.5	21.1	34.8	.6	.3	2.9
FLORIDA	40	18	1.3	7.4	1.0	2.2	4.5	13.2	22.6	35.7	1.7	1.0	8.3

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3449-- MISCELLANEOUS METALWORK--CONTINUED													
SOUTH REGION--CONTINUED													
EAST SOUTH CENTRAL DIVISION	51	25	2.9	17.3	2.1	3.9	10.8	37.0	51.4	87.3	1.5	2.3	19.1
KENTUCKY	7	3	.3	1.9	.2	.4	1.1	3.3	3.7	6.9	(D)	.6	2.4
TENNESSEE[c]	17	8	.8	3.8	.6	1.0	2.3	7.5	12.6	20.0	.2	(2)	(2)
ALABAMA	20	10	1.4	9.2	1.0	2.0	6.0	19.3	27.5	45.9	.9	1.3	13.0
MISSISSIPPI	7	4	.5	2.5	.3	.5	1.5	7.0	7.5	14.5	(D)	(2)	(2)
WEST SOUTH CENTRAL DIVISION	88	38	3.3	20.1	2.4	5.3	13.6	40.8	50.8	91.3	1.6	2.7	19.9
LOUISIANA	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.8
OKLAHOMA	11	6	.5	3.0	.3	.6	1.5	6.0	6.1	12.1	.5	.3	3.0
TEXAS	51	24	2.4	14.3	1.7	3.9	9.9	30.5	38.1	68.5	.8	2.0	13.5
WEST REGION	109	47	5.8	46.5	3.9	7.7	28.5	90.3	105.3	194.8	3.9	3.8	51.1
MOUNTAIN DIVISION	26	10	.7	5.0	.5	1.0	3.1	12.0	16.3	26.7	.2	.6	4.7
COLORADO	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.3
ARIZONA	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	83	37	5.0	41.5	3.5	6.7	25.4	78.3	89.0	168.0	3.7	3.2	46.3
WASHINGTON	13	5	.2	1.9	.2	.3	1.1	3.2	4.7	8.0	.4	(2)	(2)
OREGON	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	4.6
CALIFORNIA	59	28	4.3	35.4	3.1	6.0	22.6	67.2	76.0	143.7	2.7	2.8	41.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Fabricated structural steel (SIC 3441)	Metal doors, sash, and trim (SIC 3442)	Fabricated platework (boiler shops) (SIC 3443	Sheet metalwork (SIC 3444)	Architectural metalwork (SIC 3446)	Miscellaneous metalwork (SIC 3449)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.89	.91	.91	.88	.83	.89
COVERAGE RATIO[2]	.91	.94	.85	.83	.77	.77
ESTABLISHMENTS, TOTAL .NUMBER	1 960	1 646	1 465	3 054	1 377	649
WITH 1 TO 19 EMPLOYEES .DO	925	1 049	681	2 243	1 179	369
WITH 20 TO 99 EMPLOYEES .DO	783	448	590	690	160	186
WITH 100 EMPLOYEES OR MORE .DO	252	149	194	121	38	94
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	107.5	63.9	96.4	68.1	19.3	32.7
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	773.6	378.5	700.4	490.7	123.0	220.7
PRODUCTION WORKERS:						
AVERAGE FOR YEAR 1,000	80.1	47.9	73.1	52.9	15.4	23.2
MARCH .DO	79.3	42.8	72.7	50.6	14.8	21.9
MAY .DO	79.8	48.0	72.8	52.9	15.4	22.7
AUGUST .DO	81.2	51.0	74.3	55.3	15.7	24.4
NOVEMBER .DO	80.2	49.7	72.5	53.0	15.4	23.9
MAN-HOURS .MILLIONS	163.6	94.8	150.4	105.8	29.5	47.4
JANUARY-MARCH .DO	40.1	21.1	37.8	25.3	7.2	11.0
APRIL-JUNE .DO	41.3	23.7	38.5	26.3	7.2	11.7
JULY-SEPTEMBER .DO	41.0	25.1	37.0	27.4	7.5	12.5
OCTOBER-DECEMBER .DO	41.2	24.9	37.2	26.8	7.5	12.2
WAGES MILLION DOLLARS	509.9	235.7	477.5	336.0	81.5	137.4
COST OF MATERIALS, ETC., TOTAL .DO	1 624.6	764.6	1 303.9	927.5	254.6	637.2
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	1 330.8	704.2	1 163.7	794.9	222.1	551.4
COST OF RESALES .DO	179.4	34.3	62.2	85.7	6.5	63.0
FUELS CONSUMED .DO	11.0	4.4	11.4	5.8	1.9	2.8
PURCHASED ELECTRIC ENERGY .DO	12.2	7.3	14.4	6.8	2.6	6.0
CONTRACT WORK .DO	91.3	14.3	52.2	34.3	21.5	14.1
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	2 967.8	1 413.6	2 688.5	1 812.4	484.9	1 082.0
VALUE OF RESALES .DO	239.7	45.4	75.9	132.0	7.9	79.4
VALUE ADDED BY MANUFACTURE .DO	1 319.3	651.1	1 393.4	889.3	232.6	448.6
MANUFACTURERS' INVENTORIES:						
BEGINNING OF YEAR, TOTAL .DO	639.8	205.9	488.8	246.6	56.7	179.0
FINISHED PRODUCTS .DO	37.2	51.9	45.6	68.8	9.6	50.1
WORK IN PROCESS .DO	376.1	39.6	253.9	61.4	22.8	41.0
MATERIALS, SUPPLIES, FUEL, ETC. .DO	226.5	114.3	189.3	116.4	24.3	87.9
END OF YEAR, TOTAL .DO	599.8	208.9	510.6	254.2	60.0	181.9
FINISHED PRODUCTS .DO	39.2	50.5	48.8	69.2	10.9	57.0
WORK IN PROCESS .DO	348.9	43.1	259.5	65.3	23.9	37.9
MATERIALS, SUPPLIES, FUEL, ETC. .DO	211.6	115.3	202.3	119.7	25.2	87.0
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	82.4	26.0	87.6	46.9	7.8	25.9
NEW PLANT AND EQUIPMENT, TOTAL .DO	76.6	24.3	81.9	44.4	7.4	23.0
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	28.8	7.6	28.6	14.8	2.7	10.0
NEW MACHINERY AND EQUIPMENT .DO	47.8	16.7	53.3	29.7	4.8	13.0
USED PLANT AND EQUIPMENT .DO	5.8	1.7	5.7	2.5	.4	2.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.
[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3441-- FABRICATED STRUCTURAL STEEL											
ESTABLISHMENTS, TOTAL	1 960	107.5	773.6	80.1	163.6	509.9	1 319.3	1 624.6	2 967.8	76.6	599.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	311	.6	4.1	.6	.9	2.9	10.1	8.9	19.0	3.5	2.6
5 TO 9 EMPLOYEES	219	1.5	11.2	1.2	2.4	7.8	20.9	19.8	40.8	.9	4.7
10 TO 19 EMPLOYEES	395	5.5	39.0	4.2	8.4	26.7	67.8	65.4	132.6	2.7	13.0
20 TO 49 EMPLOYEES	538	16.7	120.7	12.8	25.6	80.5	219.5	240.9	457.6	10.8	53.1
50 TO 99 EMPLOYEES	245	16.9	125.7	12.7	26.4	81.6	234.0	275.8	510.0	12.4	69.7
100 TO 249 EMPLOYEES	175	27.1	192.9	19.9	42.3	126.4	341.7	411.3	749.4	18.9	139.5
250 TO 499 EMPLOYEES	57	20.2	147.2	14.7	30.5	95.0	245.7	329.5	581.9	12.3	101.5
500 TO 999 EMPLOYEES	13	8.2	54.9	6.2	12.2	38.2	70.4	124.2	212.8	5.4	81.9
1,000 TO 2,499 EMPLOYEES	7	10.8	77.9	7.8	14.9	50.8	109.2	148.8	263.7	9.7	133.8
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	268	.7	4.3	.6	1.0	3.0	9.5	9.7	19.1	.2	2.8
3442-- METAL DOORS, SASH, AND TRIM											
ESTABLISHMENTS, TOTAL	1 646	63.9	378.5	47.9	94.8	235.7	651.1	764.6	1 413.6	24.3	208.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	559	1.0	5.4	1.0	1.5	3.5	12.7	16.0	28.7	.2	3.5
5 TO 9 EMPLOYEES	216	1.5	9.0	1.2	2.2	5.4	16.0	18.9	35.1	.6	4.0
10 TO 19 EMPLOYEES	274	3.8	22.1	2.6	5.1	12.6	41.8	47.8	89.5	1.3	11.1
20 TO 49 EMPLOYEES	284	9.0	51.2	6.8	13.2	32.3	90.5	107.0	197.4	2.5	25.4
50 TO 99 EMPLOYEES	164	11.4	64.7	8.6	17.0	41.3	118.7	139.5	257.6	4.3	36.8
100 TO 249 EMPLOYEES	100	15.7	92.3	11.9	24.3	57.8	163.8	191.9	355.3	6.9	50.9
250 TO 499 EMPLOYEES	35	11.9	73.9	8.5	16.9	44.3	117.0	123.4	236.1	4.9	40.3
500 TO 999 EMPLOYEES	13	9.7	59.8	7.3	14.5	38.4	90.6	120.1	214.0	3.8	37.0
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	576	1.4	7.5	1.4	2.1	4.8	16.0	20.0	36.0	.3	4.6
3443-- FABRICATED PLATEWK (BOILER SHOPS)											
ESTABLISHMENTS, TOTAL	1 465	96.4	700.4	73.1	150.4	477.5	1 393.4	1 303.9	2 688.5	81.9	510.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	295	.5	3.4	.5	.9	2.4	8.2	7.2	15.6	1.8	2.0
5 TO 9 EMPLOYEES	141	1.0	6.8	.8	1.5	4.7	12.7	12.1	24.8	.6	2.9
10 TO 19 EMPLOYEES	245	3.4	24.3	2.7	5.4	17.0	50.1	40.0	89.8	1.9	9.4
20 TO 49 EMPLOYEES	381	12.2	87.7	9.6	19.7	60.4	153.6	151.2	305.1	7.7	41.7
50 TO 99 EMPLOYEES	209	14.4	101.2	11.0	22.8	68.6	172.4	180.0	355.2	8.3	56.0
100 TO 249 EMPLOYEES	126	19.1	137.9	14.5	30.5	93.0	263.4	264.6	526.7	13.6	93.2
250 TO 499 EMPLOYEES	37	12.3	92.7	8.7	17.8	57.5	172.4	187.7	363.7	12.1	69.4
500 TO 999 EMPLOYEES	23	16.5	119.1	13.1	26.9	88.7	273.8	212.8	473.8	15.2	102.9
1,000 TO 2,499 EMPLOYEES	6	17.1	127.2	12.1	24.9	85.2	286.8	248.3	533.8	20.8	132.9
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	260	.5	3.4	.5	.9	2.3	7.7	7.3	15.0	.3	2.1
3444-- SHEET METALWORK											
ESTABLISHMENTS, TOTAL	3 054	68.1	490.7	52.9	105.8	336.0	889.3	927.5	1 812.4	44.4	254.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	1 254	2.2	12.6	2.2	3.4	9.0	29.9	23.5	53.3	1.8	7.8
5 TO 9 EMPLOYEES[e]	459	3.1	21.7	2.7	4.9	15.7	41.8	34.8	76.4	1.7	9.1
10 TO 19 EMPLOYEES	530	7.5	52.4	5.9	11.8	36.7	93.7	87.8	181.1	4.6	22.1
20 TO 49 EMPLOYEES	499	15.0	107.8	11.9	23.7	76.1	193.3	196.2	390.5	7.5	47.6
50 TO 99 EMPLOYEES	191	13.4	99.1	10.6	21.5	70.0	161.6	156.8	316.0	11.8	50.1
100 TO 249 EMPLOYEES	93	14.3	101.0	10.9	22.4	68.4	184.8	187.6	368.7	7.9	58.4
250 TO 499 EMPLOYEES	20	7.2	53.3	5.2	10.4	34.9	101.5	139.4	241.2	4.9	28.2
500 TO 999 EMPLOYEES	8	5.5	42.9	3.7	7.7	25.2	82.6	101.4	185.1	4.2	31.1
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	1 286	2.8	16.2	2.8	4.5	11.5	36.4	28.6	65.0	1.1	9.7
3446-- ARCHITECTURAL METALWORK											
ESTABLISHMENTS, TOTAL	1 377	19.3	123.0	15.4	29.5	81.5	232.6	254.6	484.9	7.4	60.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	833	1.4	6.9	1.3	2.2	4.9	16.8	11.8	28.6	.1	3.3
5 TO 9 EMPLOYEES[e]	197	1.3	7.5	1.2	2.0	5.2	13.6	10.5	24.0	.3	2.3
10 TO 19 EMPLOYEES	149	2.1	14.3	1.6	3.2	9.3	24.6	18.8	43.3	.7	3.7
20 TO 49 EMPLOYEES	127	4.1	26.4	3.1	6.3	17.1	50.6	38.3	88.9	1.5	10.8
50 TO 99 EMPLOYEES	33	2.3	16.5	1.7	3.4	10.1	29.5	22.1	51.0	.7	6.8
100 TO 249 EMPLOYEES	30	4.2	25.7	3.3	6.3	16.4	51.5	47.0	97.6	1.7	15.3
250 TO 499 EMPLOYEES	6	3.9	25.7	3.2	6.0	18.5	46.0	106.0	151.4	2.5	17.9
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	854	1.9	9.3	1.9	3.0	6.5	21.0	14.9	35.9	.2	4.3

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					
3449-- MISCELLANEOUS METALWORK											
ESTABLISHMENTS, TOTAL	649	32.7	220.7	23.2	47.4	137.4	448.6	637.2	1 082.0	23.0	181.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	224	.4	2.0	.4	.6	1.2	5.0	5.5	10.5	(Z)	1.7
5 TO 9 EMPLOYEES[e]	77	.6	3.4	.4	.8	2.3	6.8	8.5	15.2	.3	1.7
10 TO 19 EMPLOYEES	68	.9	6.3	.7	1.4	3.9	12.3	13.5	25.6	1.4	3.0
20 TO 49 EMPLOYEES	117	3.6	23.0	2.5	5.2	13.7	42.4	76.1	117.2	2.5	15.9
50 TO 99 EMPLOYEES	69	5.0	33.0	3.6	7.5	20.0	67.5	114.8	180.6	5.1	28.5
100 TO 249 EMPLOYEES	64	10.3	71.5	7.2	14.5	42.8	139.3	206.3	345.5	6.0	64.8
250 TO 499 EMPLOYEES	25	8.8	58.6	6.0	12.6	37.0	120.6	132.0	251.1	4.3	44.4
500 TO 999 EMPLOYEES	5	3.1	22.8	2.4	4.8	16.4	54.7	80.5	136.2	3.4	21.8
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	203	.4	2.4	.4	.7	1.5	5.3	5.5	10.7	.1	1.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3441	Fabricated structural steel.....1967..	2,967.8	2,324.8	301.8	341.2	89	2,561.5	2,324.8	236.7	91
	1963..	1,916.0	1,432.5	236.8	246.7	86	1,604.0	1,432.5	171.5	89
3422	Metal doors, sash, and trim.....1967..	1,413.6	1,219.0	117.0	77.6	91	1,301.5	1,219.0	82.5	94
	1963..	1,253.8	1,045.5	135.9	72.4	88	1,106.7	1,045.5	61.1	94
3443	Fabricated platework (boiler shops).....1967..	2,688.5	2,209.4	227.6	251.5	91	2,589.4	2,209.4	380.0	85
	1963..	1,623.0	1,310.5	168.3	144.2	89	1,580.8	1,310.5	270.3	83
3444	Sheet metalwork.....1967..	1,812.4	1,401.6	194.4	216.4	88	1,687.1	1,401.6	285.5	83
	1963..	1,303.7	1,030.6	139.4	133.6	88	1,324.7	1,030.6	294.0	78
3446	Architectural metalwork.....1967..	484.9	389.9	77.3	17.7	83	504.9	389.9	115.0	77
	1963..	269.3	218.9	36.0	14.4	86	306.2	218.9	87.4	71
3449	Miscellaneous metalwork.....1967..	1,082.0	859.0	111.6	111.4	89	1,116.6	859.0	257.6	77
	1963..	704.2	541.7	67.8	94.7	89	793.3	541.7	251.6	68

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Fabricated structural steel (SIC 3441)	Metal doors, sash, and trim (SIC 3442)	Fabricated platework (boiler shops) (SIC 3443)	Sheetmetal work (SIC 3444)	Architectural metalwork (SIC 3446)	Miscellaneous metalwork (SIC 3449)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	2,967.8	1,413.6	2,688.5	1,812.4	484.9	1,082.0	(X)
3441-	Fabricated structural steel.....	2,561.5	2,324.8	7.7	27.9	10.4	28.1	31.6	131.0
34411	Fabricated structural metal for buildings.....	1,430.3	1,345.7	6.6	12.6	6.0	15.0	14.0	30.4
34412	Fabricated structural metal for bridges.....	312.2	289.1	0.2	(5-10)	(under 2)	(under 2)	1.9	11.8
34413	Other fabricated structural metal.....	550.6	425.9	(under 2)	8.0	2.8	(10-20)	15.7	85.8
34410	Fabricated structural steel, n.[illegible].....	268.4	264.0	(under 2)	(under 2)	(under 2)	-	(Z)	2.9
3442-	Metal doors, sash, and trim.....	1,301.5	8.8	1,219.0	(2-5)	9.0	(under 2)	7.3	50.9
34421	Metal doors and frames (except storm doors).....	345.7	5.7	312.0	0.9	2.9	0.6	2.0	22.4
34422	Metal window sash and frames (except storm doors)..	257.5	2.5	240.1	-	(2-5)	0.6	3.3	(5-10)
34423	Metal molding and trim and store fronts.....	145.0	(under 2)	121.1	(over 2)	0.8	(under 2)	(under 2)	17.2
34424	Metal combination screen and storm sash and doors..	198.2	(under 2)	195.1	-	(under 2)	(Z)	(under 2)	(under 2)
34425	Metal window and door screens (except combination), and metal weather strip.....	61.5	0.2	58.5	(Z)	0.5	0.2	0.1	2.0
34420	Metal doors, sash, and trim, n.s.k.....	293.6	-	292.1	-	0.6	-	0.3	0.6

See footnotes at end of t ble.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product class	Class of products, industry, and miscellaneous receipts	All industries	Fabricated structural steel (SIC 3441)	Metal doors, sash, and trim (SIC 3442)	Fabricated platework (boiler shops) (SIC 3443)	Sheetmetal work (SIC 3444)	Architectural metalwork (SIC 3446)	Miscellaneous metalwork (SIC 3449)	Other industries
3443-	Fabricated platework (boiler shops)	2,589.4	70.9	(5-10)	2,209.4	20.9	19.9	(under 2)	260.4
34431	Heat exchangers and steam condensers	343.5	(D)	(Z)	267.8	(Z)	-	-	(D)
34432	Fabricated steel plate, including stacks and weldments	517.9	43.9	(under 2)	403.0	4.7	18.5	(under 2)	45.3
34433	Steel power boilers, parts and attachments (over 15 p.s.i. steam working pressure)	521.7	(D)	(D)	456.1	(Z)	(Z)	-	60.6
34434	Gas cylinders	72.2	-	-	63.0	(under 2)	-	-	(5-10)
34435	Metal tanks, complete at factory (standard line, pressure)	120.2	(under 2)	-	105.4	(under 2)	-	-	13.3
34437	Metal tanks, complete at factory (standard line, nonpressure)	177.3	4.5	(Z)	139.6	13.9	(Z)	(Z)	19.3
34438	Metal tanks and vessels, custom fabricated at the factory	464.8	8.0	(Z)	424.5	(under 2)	(under 2)	(Z)	30.5
34439	Metal tanks and vessels, custom fabricated and field erected	176.1	11.0	-	157.5	(under 2)	(Z)	(under 2)	6.6
34430	Fabricated platework (boiler shops), n.s.k	195.7	-	-	192.5	-	(under 2)	-	(2-5)
3444-	Sheet metalwork	1,687.1	44.8	30.0	24.4	1,401.6	3.5	20.5	162.3
34441	Sheet metal roofing and siding, and roof drainage equipment	408.5	29.0	20.3	1.1	268.8	0.5	8.0	80.8
34442	Culverts flumes, irrigation pipes	169.9	6.2	-	15.2	141.2	-	(under 2)	(5-10)
34443	Other sheet metalwork	722.9	9.7	9.7	8.1	615.3	3.0	9.4	67.7
34440	Sheet metalwork, n.s.k	385.7	(Z)	(Z)	(Z)	376.4	-	(2-5)	(5-10)
3446-	Architectural metalwork	504.9	33.3	7.7	1.0	34.8	389.9	7.8	30.4
3449-	Miscellaneous metalwork	1,116.6	69.4	24.8	0.8	29.0	0.9	859.0	132.7
34492	Prefabricated and portable metal buildings and parts	378.0	9.9	2.3	0.3	18.1	0.2	336.3	10.9
34493	Miscellaneous metal building materials and curtain wall	615.9	59.4	22.5	0.5	10.7	0.7	406.3	115.8
34490	Miscellaneous metalwork, n.s.k	122.6	0.1	-	-	0.3	-	116.4	5.8
	Other product shipments by 4-digit product group:								
2431	Millwork	(X)	-	2.6	(under 2)	-	-	-	(X)
2542	Metal partitions and fixtures	(X)	0.7	(under 2)	0.7	4.4	-	(under 2)	(X)
3079	Miscellaneous plastics products	(X)	-	2.9	(under 2)	(under 2)	(under 2)	-	(X)
3272	Concrete products, n.e.c	(X)	(under 2)	(Z)	(2-5)	(under 2)	-	(under 2)	(X)
3312	Blast furnace and steel mill products	(X)	-	-	(2-5)	(10-20)	-	(over 2)	(X)
3321	Gray iron castings	(X)	3.3	(under 2)	(5-10)	-	(Z)	-	(X)
3323	Steel castings	(X)	(under 2)	-	(over 2)	-	-	-	(X)
3341	Secondary nonferrous metals	(X)	(2-5)	-	-	-	-	-	(X)
3391	Iron and steel forgings	(X)	(under 2)	-	(5-10)	-	-	-	(X)
3429	Hardware, n.e.c	(X)	-	3.7	(under 2)	0.2	(under 2)	(under 2)	(X)
3433	Heating equipment, except electric	(X)	(under 2)	(under 2)	24.1	(2-5)	-	(under 2)	(X)
3452	Bolts, nuts, rivets and washers	(X)	(2-5)	(under 2)	(Z)	(Z)	(Z)	-	(X)
3461	Metal stampings	(X)	1.1	(2-5)	0.9	8.3	(under 2)	-	(X)
3481	Miscellaneous fabricated wire products	(X)	7.0	(under 2)	(Z)	1.2	(5-10)	6.7	(X)
3494	Valves and pipe fittings	(X)	(under 2)	-	14.9	(over 2)	(Z)	(under 2)	(X)
3498	Fabricated pipe and fittings	(X)	(under 2)	-	2.6	(Z)	-	-	(X)
3499	Fabricated metal products, n.e.c	(X)	0.5	2.4	3.3	(2-5)	1.9	(2-5)	(X)
3519	Internal combustion engines, n.e.c	(X)	-	-	(2-5)	-	-	-	(X)
3522	Farm machinery	(X)	1.3	(under 2)	(under 2)	3.3	(under 2)	(2-5)	(X)
3531	Construction machinery	(X)	1.8	-	5.0	(2-5)	(under 2)	(2-5)	(X)
3534	Elevators and moving stairways	(X)	-	(2-5)	-	(under 2)	-	-	(X)
3535	Conveyors and conveying equipment	(X)	(2-5)	-	2.6	2.4	(under 2)	(under 2)	(X)
3551	Food products machinery	(X)	(under 2)	(under 2)	2.0	-	(under 2)	-	(X)
3554	Paper industries machinery	(X)	(under 2)	-	-	-	-	(over 2)	(X)
3559	Special industry machinery, n.e.c	(X)	(under 2)	(under 2)	15.2	(under 2)	-	-	(X)
3561	Pumps and compressors	(X)	(under 2)	(under 2)	3.3	(Z)	-	(under 2)	(X)
3564	Blowers and fans	(X)	-	(under 2)	4.9	6.6	-	(under 2)	(X)
3567	Industrial furnaces and ovens	(X)	(over 2)	-	(under 2)	(under 2)	-	-	(X)
3569	General industry machinery, n.e.c	(X)	0.1	(under 2)	12.0	(2-5)	-	-	(X)
3585	Refrigeration machinery	(X)	(under 2)	-	-	9.7	-	-	(X)
3589	Service industry machines, n.e.c	(X)	-	-	5.9	0.6	-	-	(X)
3599	Miscellaneous machinery, except electrical	(X)	1.0	(under 2)	5.6	(under 2)	-	(under 2)	(X)
3642	Lighting fixtures	(X)	(over 2)	(under 2)	-	(under 2)	(2-5)	-	(X)
3679	Electronic components, n.e.c	(X)	-	(under 2)	-	(under 2)	-	(over 2)	(X)
3714	Motor vehicle parts and accessories	(X)	(under 2)	(under 2)	(2-5)	(Z)	-	(Z)	(X)
3715	Truck trailers	(X)	(over 2)	-	(10-20)	(under 2)	-	(over 2)	(X)
3729	Aircraft equipment, n.e.c	(X)	-	(under 2)	(2-5)	-	(under 2)	(under 2)	(X)
3742	Railroad and street cars	(X)	(over 2)	-	(under 2)	-	-	(under 2)	(X)
3821	Mechanical measuring devices	(X)	-	-	(2-5)	-	-	-	(X)
3994	Morticians' goods	(X)	-	(under 2)	(over 2)	-	-	-	(X)
	All other secondary products[1]	(X)	57.3	34.2	69.3	53.6	21.5	37.7	(X)
	Miscellaneous receipts, total	(X)	341.2	77.6	251.5	216.4	17.7	111.4	(X)
93000	Contract work	(X)	23.1	6.4	32.0	18.3	1.7	5.1	(X)
99980	Sales of scrap and refuse	(X)	12.1	(5-10)	(2-5)	3.0	1.2	(2-5)	(X)
99980	Receipts for installation or construction	(X)	46.6	11.7	100.1	58.4	6.2	18.0	(X)
99980	Receipts for research and development work	(X)	0.1	(under 2)	(2-5)	0.1	-	(2-5)	(X)
99980	Other miscellaneous receipts	(X)	19.6	8.1	37.1	4.6	0.7	3.8	(X)
99989	Resales	(X)	239.7	45.4	75.9	132.0	7.9	79.4	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of primary products	
3441	3312 Blast furnaces and steel mills	4.5
	3317 Steel pipe and tubes	(20-50)
	3321 Cray iron foundries	3.0
	3461 Metal stampings	8.6
	3491 Metal barrels, drums, and pails	(over 2)
	3499 Fabricated metal products, n.e.c	(2-5)
	3531 Construction machinery	6.0
	3535 Conveying and conveying equipment	5.3
	3536 Hoists, cranes, and monorails	(5-10)
	3559 Special industry machinery, n.e.c	(2-5)
	3714 Motor vehicle parts and accessories	(2-5)
	3731 Ship building and repairing	40.5
3442	2431 Millwork	10.3
	2499 Wood products, n.e.c	(2-5)
	2542 Metal partitions and fixtures	(2-5)
	3352 Aluminum rolling and drawing	3.3
	3433 Heating equipment, except electric	(over 2)
	3461 Metal stampings	4.2
	3535 Conveyors and conveying equipment	(2-5)
	3569 General industrial machinery, n.e.c	(over 2)
3443	1929 Ammunition, except for small arms, n.e.c	(5-10)
	3312 Blast furnaces and steel mills	(10-20)
	3317 Steel pipe and tubes	(10-20)
	3433 Heating equipment, except electric	11.6
	3452 Bolts, nuts, rivets and washers	(over 2)
	3491 Metal barrels, drums, and pails	(over 2)
	3494 Valves and pipe fittings	(5-10)
	3498 Fabricated pipe and fittings	(2-5)
	3511 Steam engines and turbines	(20-50)
	3522 Farm machinery	3.2
	3531 Construction machinery	7.9
	3533 Oilfield machinery	8.4
	3551 Food products machinery	5.2
	3559 Special industry machinery, n.e.c	6.9
	Listing of the other industries with over $2 million shipments of primary products--Continued	
3443	3561 Pumps and compressors	(20-50)
	3569 General industrial machinery, n.e.c	4.5
	3585 Refrigeration machinery	22.3
	3599 Miscellaneous machinery, except electrical	(2-5)
	3639 Household appliances, n.e.c	2.6
	3714 Motor vehicle parts and accessories	(10-20)
	3729 Aircraft equipment, n.e.c	(20-50)
	3731 Ship building and repairing	(5-10)
	3821 Mechanical measuring devices	(2-5)
3444	2542 Metal partitions and fixtures	2.7
	2591 Venetian blinds and shades	(5-10)
	3312 Blast furnaces and steel mills	39.8
	3352 Aluminum rolling and drawing	29.4
	3357 Nonferrous wire drawing and insulating	(over 2)
	3461 Metal stampings	8.4
	3497 Metal foil and leaf	(2-5)
	3561 Pumps and compressors	(over 2)
	3564 Blowers and fans	3.2
	3576 Scales and balances	(over 2)
	3585 Refrigeration machinery	5.0
	3621 Motors and generators	(2-5)
	3713 Truck and bus bodies	(5-10)
	3799 Transportation equipment, n.e.c	(over 2)
	3822 Automatic temperature controls	(5-10)
3446	2531 Public building furniture	(5-10)
	3316 Cold furnishing of steel shapes	(over 2)
	3433 Heating equipments, except electric	(2-5)
3449	3273 Ready-mixed concrete	(2-5)
	3312 Blast furnaces and steel mills	103.0
	3531 Construction machinery	(over 2)
	3711 Motor vehicles	(over 2)
	3714 Motor vehicle parts and accessories	(over 2)
	3791 Trailer coaches	(2-5)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures include data for all four-digit products not shown as well as data for those products where a range is shown.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3441- --	FABRICATED STRUCTURAL STEEL, TOTAL	.....	(X)	2,561.5	(X)	1,604.0
34411 --	Fabricated structural metal for buildings	.....	(X)	1,430.3	(X)	984.0
	Iron and steel (for sale to other companies):					
34411 21	Industrial	1,000 short tons	e1,785.4	585.1	996.9	306.9
34411 25	Commercial, residential, and institutional	...do	e931.9	293.7	859.1	243.0
34411 27	Public utilities	...do	e155.6	55.3	105.5	34.4
	Iron and steel (for installation by same company on the site of construction):					
34411 61	Industrial	...do	e634.8	222.5	452.3	160.1
34411 65	Commercial, residential, and institutional	...do	e471.9	164.5	538.5	165.6
34411 67	Public utilities	...do	e59.9	20.3	e35.6	12.7
34411 71	Aluminum	...do	e24.2	29.6	12.5	18.9
34411 00	Fabricated structural metal for buildings, n.s.k	.....	(X)	59.3	(X)	42.4
34412 --	Fabricated structural metal for bridges	...do	(X)	312.2	(X)	224.9
	Iron and steel (for sale to other companies):					
34412 11	Highway bridges, trestles, and viaducts	...do	e567.2	196.0	506.5	136.1
34412 15	Railway bridges, trestles, and viaducts	...do	15.9	5.7	20.2	6.0
34412 51	Iron and steel bridges, trestles, and viaducts (highway and railway for installation by own company on the site of construction)	...do	166.0	62.5	191.6	69.3
34412 71	Aluminum	...do	6.9	10.3	(NA)	3.1
34412 00	Fabricated structural metal for bridges, n.s.k	.....	(X)	37.7	(X)	10.3
34413 --	Other fabricated structural metal	.....	(X)	550.6	(X)	287.2
	Iron and steel (for sale to other companies):					
34413 11	For ships, boats, and barges	1,000 short tons	e38.2	24.2	16.5	10.1
34413 41	For transmission towers, substations, radio antenna towers, and supporting structures	...do	294.1	120.9	152.0	50.5
34413 51	Other fabricated structural iron and steel (excluding pressure vessels and storage tanks, fabricated reinforcing bars, bar joists, fabricated metal building, steel flooring and roof decks)	...do	e579.3	244.7	e343.4	122.1
	Iron and steel (for installation by same company on the site of construction or for shipbuilding):					
34413 61	For ships, boats, and barges	...do	163.7	123.7	(NA)	132.5
34413 71	For transmission towers, substations, radio antenna towers, and supporting structures	1,000 short tons	54.6	24.4	57.7	23.3
34413 81	Other fabricated structural iron and steel (excluding pressure vessels and storage tanks, fabricated reinforcing bars, bar joists, fabricated metal buildings, steel flooring, and roof desks)	...do	e134.6	52.5	80.2	30.2
34413 84	Aluminum, for ships, boats, barges, transmission towers, and other structures (excluding tanks, fabricated metal buildings, etc.)	...do	12.0	25.1	(NA)	1.8
34413 98	Structural metal, other than iron, steel, or aluminum	...do	(NA)	14.6	(NA)	1.6
34413 00	Other fabricated structural metal, n.s.k	.....	(X)	20.5	(X)	15.0
34410 00	Fabricated structural metal, n.s.k. (Represents primarily establishments with 10 employees or more in 1967. See Note.)	.....	(X)	250.2	(X)	107.8
34410 02	Fabricated structural metal, n.s.k. (Represents primarily establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	18.2		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3442- --	METAL DOORS, SASH, AND TRIM, TOTAL	...	(X)	1,301.5	(X)	1,106.7
34421 --	Metal doors and frames (except storm doors)	...	(X)	[1]345.7	(X)	289.6
	Aluminum doors:					
	Industrial:					
34421 13	Overhead	1,000 units	(NA)	39.3	12.2	3.7
34421 14	All other	...do			219.9	18.2
	Residential:					
34421 15	Garage	...do	[e]27.6	2.5	192.9	9.6
34421 16	Sliding (glass, patio type)	...do	[e]688.6	41.4	553.9	32.1
34421 18	All other (excluding shower doors and tub enclosures)	...do	(NA)	29.3	438.9	11.8
34421 19	Commercial and institutional (excluding shower doors and tub enclosures)	...do	(NA)	47.4	154.7	13.4
	Iron and steel doors, including stainless steel doors:					
	Industrial:					
34421 21	Overhead	...do	(NA)	41.6	61.4	16.8
34421 22	All other	...do	(NA)	18.8	(NA)	28.3
	Residential:					
34421 23	Garage	...do	160.7	11.9	126.9	8.1
34421 29	All other (excluding shower doors and tub enclosures)	...do	(NA)	5.0	183.4	5.2
	Commercial and institutional (excluding shower doors and tub enclosures)					
34421 33	Overhead	...do	(NA)	7.4	[e]731.3	43.4
34421 35	All other	...do	(NA)	23.2		
34421 39	Metal doors other than steel or aluminum	...do	(NA)	3.3	(NA)	5.3
	Metal doors frames, including trim sold as integral part of door frame:					
34421 42	Aluminum	...do	[e]248.8	12.7	272.0	20.0
34421 44	Steel	...do	[e]1,382.9	28.5	2,798.0	44.6
34421 45	Shower doors and tub enclosures	...do	(NA)	11.1	467.8	9.7
34421 00	Metal doors and door frames, n.s.k	...	(X)	22.3	(X)	19.4
34422 --	Metal window sash and frames (except storm sash)	...	(X)	257.5	(X)	308.8
	Residential:					
	Steel:					
34422 12	Casement	1,000 units	(NA)	5.4	(NA)	8.1
34422 19	All other	...do	502.5	3.9	(NA)	8.8
	Aluminum:					
34422 21	Single and double-hung	...do	[e]4,163.1	48.8	4,223.9	58.7
34422 22	Awning	...do	(NA)	25.2	1,540.6	20.8
34422 23	Jalousie	...do	(NA)	26.9	(NA)	19.4
34422 24	Horizontal sliding	...do	[e]2,670.2	40.0	(NA)	44.9
34422 29	All other	...do	(NA)	12.9	(NA)	18.8
	Other, including commercial, industrial, etc.:					
34422 35	Steel	...do	408.3	15.5	(NA)	21.7
	Aluminum:					
34422 41	Single and double-hung	...do	(NA)	13.5	(NA)	24.4
34422 42	Awning	...do	(NA)	8.0	(NA)	8.5
34422 43	Projected	...do	(NA)	17.1	856.3	33.9
34422 49	All other	...do	(NA)	14.2	(NA)	18.8
34422 98	Metal window sash and frames, other than steel or aluminum	...do	(X)	26.1	(NA)	0.5
34422 00	Metal doors, sash, and trim, n.s.k	...			(X)	21.4
34423 --	Metal molding and trim and store fronts	...	(X)	145.0	(X)	116.8
	Metal molding and trim:					
34423 21	Steel	...	(X)	43.1	(X)	32.1
34423 25	Aluminum	...	(X)	86.3	(X)	71.4
34423 51	Metal store fronts, sold complete at factory	...	(X)	6.0	(X)	6.7
34423 00	Metal molding and trim and store fronts, not specified by type	...	(X)	9.6	(X)	6.5

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3442- --	METAL DOORS, SASH, AND TRIM--Continued					
34424 --	Metal combination screen and storm sash and doors	.....	(X)	198.2	(X)	221.4
34424 11	Metal storm sash	1,000 units...	(NA)	21.6	(NA)	9.2
	Metal combination screen and storm sash:					
34424 21	Steel	...do.....	(NA)	6.1	(NA)	5.4
34424 25	Aluminum	...do.....	e12,944.3	116.8	e10,745.8	106.0
	Metal combination screen and storm doors:					
34424 41	Steel	...do.....	(NA)	7.1	145.1	3.6
34424 45	Aluminum	...do.....	e2,184.0	42.6	3,329.5	65.2
34424 00	Metal storm sash, combination screen and storm sash and doors and parts, n.s.k	.....	(X)	4.0	(X)	31.9
34425 --	Metal window and door screens (except combination), and metal weather strip	.....	(X)	61.5	(X)	56.7
34425 11	Screen doors, metal	1,000 units...	e713.2	7.9	446.4	4.6
	Window screens, with metal frames including tension and roll types:					
34425 21	Steel	...do.....	(NA)	4.5	(NA)	3.0
34425 25	Aluminum	...do.....	e14,551.7	30.6	e14,240.7	28.9
34425 51	Weatherstrip, metal	million lin. ft.....	481.8	15.0	e238.5	17.4
34425 00	Metal window and door screens, n.s.k	.....	(X)	3.5	(X)	2.8
34420 00	Metal doors, sash, and trim, n.s.k. (For establishments with 10 or more employees in 1967. See Note.)	.....	(X)	257.6	(X)	113.5
34420 02	Metal doors, sash, and trim, n.s.k. (For establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	36.0		
3443- --	FABRICATED PLATEWORK (BOILER SHOP PRODUCTS), TOTAL	.....	(X)	2,589.4	(X)	1,580.8
34431 --	Heat exchangers and steam condensers	.....	(X)	343.5	(X)	160.5
	Heat exchangers, closed types, industrial:					
34431 11	Bare tube	1,000 sq. ft. of heat transfer surface..	(NA)	243.4	(NA)	91.2
34431 15	Fin tube	...do.....	(NA)	47.5	(NA)	40.4
34431 51	Steam condensers	1,000 sq. ft. of condensing surface.....	(NA)	36.7	(NA)	23.4
34431 00	Heat exchangers and steam condensers, n.s.k	.....	(X)	15.9	(X)	5.4
34432 --	Fabricated steel plate, including stacks and weldments	.....	(X)	517.9	(X)	374.2
34432 31	Stacks (smoke or other)	1,000 short tons.....	(NA)	25.4	(NA)	5.8
34432 51	Weldments	...do.....	(NA)	124.8	(NA)	61.5
	Fabricated steelplate (factory assembled or formed and prepared for field erection):					
34432 11	For large diameter pipe (over 36-inch diameter for pipelines, penstocks, tunnel linings, etc.)	...do.....	e411.1	138.6	210.2	70.6
34432 98	Fabricated steelplate for other purposes	...do.....	(NA)	207.4	(NA)	217.1
34432 00	Fabricated steelplate, n.s.k	.....	(X)	21.7	(X)	19.1

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3443- --	FABRICATED PLATEWORK (BOILER SHOP PRODUCTS)--Continued					
34433 --	Steel power boilers, parts and attachments (over 15 p.s.i. steam working pressure)	.....	(X)	521.7	(X)	340.7
	Stationary power boilers:[2]					
	Water tube:					
	Over 15 to 449 p.s.i. steam working pressure:					
34433 12	10,000 lbs./hr. and under	No. of units..	1,844.0	32.7	1,741.0	40.5
34433 16	10,001 lbs./hr. to 100,000 lbs./hr	...do.....				
	450 p.s.i. steam working pressure and over:					
34433 14	10,000 lbs./hr. and under	...do.....	187.0	9.4		
34433 18	10,001 lbs. to 100,000 lbs./hr	...do.....				
	100,001 lbs./hr. to 250,000 lbs./hr.:					
34433 21	Over 15 to 449 p.s.i. steam working pressure	...do.....	72.0	8.2	78.0	13.0
34433 23	450 p.s.i. steam working pressure and over	...do.....	100.0	24.8		
	250,000 lbs./hr. and over:					
34433 31	Over 15 to 449 p.s.i. steam working pressure	...do.....	149.0	347.7	104.0	151.1
34433 33	450 p.s.i. steam working pressure and over	...do.....				
	Fire tube:					
34433 36	Horizontal return tabular	...do.....	1,055.0	4.5	1,535.0	4.5
	Scotch type:					
34433 37	Steam pressure type	...do.....	5,002.0	31.8	4,317.0	25.1
34433 38	Hot water type	...do.....	1,077.0	5.9		
34433 39	Other types	...do.....	724.0	2.4	1,558.0	2.0
34433 41	Marine boilers	...do.....	(X)	47.5	(X)	103.2
34433 52	Parts and attachments for steel power boilers (sold separately)	.....				
34433 00	Steel power boilers, parts and attachments (over 15 p.s.i. steam working pressure), n.s.k	.....	(X)	6.8	(X)	1.2
34434 --	Gas cylinders	.....	(X)	72.2	(X)	46.3
34434 11	For liquefied petroleum gas	1,000.....	(NA)	20.6	314.1	10.8
34434 19	Other gas cylinders	...do.....	(NA)	51.2	1,002.8	33.3
34434 00	Gas cylinders, n.s.k	.....	(X)	0.4	(X)	2.3
34435 --	Metal tanks, complete at factory (standard line, pressure)	.....	(X)	120.2	(X)	104.4
34435 12	Truck tanks for delivery of liquefied petroleum gas (butane, propane, etc.)	.....	(NA)	6.6	(NA)	8.2
	All other liquefied petroleum gas tanks (under 3,000 gallon capacity):					
34435 22	Carbon steel	1,000 units...	170.6	26.0	226.8	34.5
34435 24	Alloy and stainless steel	...do.....	(NA)	9.3	(NA)	4.1
34435 26	Alluminum	...do.....	(NA)	2.0		
34435 35	Air receivers	...do.....	(NA)	5.0	(NA)	7.3
34435 38	Other pressure tanks, including anhydrous ammonia under 3,000 gallon capacity (excluding range boilers, expansion tanks, hot-water storage tanks, and tanks for water heaters sold separately)	.....	(X)	57.0	(X)	36.5
34435 00	Metal tanks, complete at factory (standard line, pressure), n.s.k	.....	(X)	14.3	(X)	13.9

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3443- --	FABRICATED PLATEWORK (BOILER SHOP PRODUCTS)--Continued					
34437 --	Metal tanks, complete at factory (standard line, nonpressure)	.....	(X)	177.3	(X)	145.6
	Nonpressure storage tanks:					
	Bulk storage, including above ground, underground and inside storage tanks:					
	Carbon steel:					
34437 11	6,000 gallon or less capacity	1,000.....	e186.8	38.5	236.6	39.7
34437 13	Over 6,000 gallon capacity	...do.....	39.7	35.1	29.1	29.6
	Alloy, including stainless steel, nickel, etc. (excluding aluminum):					
34437 14	Dairy processing plant storage tanks for milk (stainless steel)	...do.....	(NA)	17.5	6.3	12.6
34437 16	Other	...do.....	23.9	10.7	(NA)	9.2
34437 18	Aluminum	...do.....	(NA)	2.5	1.1	2.1
34437 21	Basement oil storage tanks	...do.....	164.3	5.2	198.9	5.8
34437 25	Oilfield bolted	...do.....	e2.4	6.4	1.4	2.8
34437 27	Farm storage tanks, with or without supports	.....	(NA)	12.1	(NA)	4.5
	Truck tanks (for delivery of fluids, except trailer tanks) excluding fuel supply tanks for motor vehicles (gas tanks):					
34437 43	For liquid fuels (excluding liquefied petroleum gas tanks)	1,000.....	5.9	15.9	3.1	8.5
34437 45	For other fluids	...do.....	(NA)	4.6	(NA)	4.5
34437 71	Septic tanks, metal	...do.....	76.5	3.7	e94.4	4.9
34437 98	Other nonpressure tanks (including tanks for trailers)	.....	(X)	14.7	(NA)	15.3
34437 00	Metal tanks, complete at factory (standard line, nonpressure), n.s.k	.....	(X)	10.4	(X)	6.1
34438 --	Metal tanks and vessels, custom fabricated at the factory	.....	(X)	464.8	(X)	197.1
	Pressure vessels and tanks (over 24-inch outside diameter and not less than 5 cu. ft. capacity) including process vessels, tanks and kettles for refineries, chemical plants, papermills and other processing industries (except tanks for liquefied petroleum gas):					
	Carbon steel:					
34438 03	3/4-inch wall thickness and under	1,000 short tons.....	e180.2	105.9	123.5	58.7
34438 05	Over 3/4-inch wall thickness	...do.....	(NA)	138.5	(NA)	28.6
34438 06	Alloy and stainless steel, nickel, etc. (excluding aluminum)	...do.....	35.8	51.0	19.5	31.0
34438 08	Aluminum	...do.....	8.2	23.0	2.5	5.9
34438 15	Liquefied petroleum gas tanks, 3,000 gallon capacity and over	...do.....	(NA)	17.1	33.8	21.3
34438 18	All other tanks and vessels, custom fabricated at the factory, (including anhydrous ammonia tanks 3,000 gallon capacity and over)	.....	(X)	120.5	(X)	49.9
34438 00	Metal tanks and vessels, custom fabricated at the factory, n.s.k	.....	(X)	8.8	(X)	1.6
34439 --	Metal tanks and vessels, custom fabricated and field erected	.....	(X)	176.1	(X)	123.3
	Bulk storage tanks:					
	Water:					
34439 22	Elevated types	.....	(NA)	28.6	(NA)	42.8
34439 24	Other types	.....	(NA)	17.6		
34439 26	Petroleum and petroleum products	1,000 short tons.....	138.6	37.9	168.4	51.1
34439 33	Other	.....	(NA)	30.9	(NA)	8.9

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3443- --	FABRICATED PLATEWORK (BOILER SHOP PRODUCTS)--Continued					
34439 --	Metal tanks and vessels, custom fabricated and field erected--Con.					
	Pressure vessels and tanks, including process vessels, tanks, and kettles for refineries, chemical plants, papermills, and other processing industries:					
	Carbon steel, including gas holders:					
34439 53	3/4-inch wall thickness and under	1,000 short tons	(NA)	28.9	24.1	11.7
34439 55	Over 3/4-inch wall thickness	...do	(NA)	9.5	14.8	4.6
34439 59	Alloy, including stainless steel, nickel, aluminum, etc.	...do	(NA)	15.7	0.6	1.7
34439 00	Metal tanks and vessels, custom fabricated and field erected, n.s.k.		(X)	7.3	(X)	2.4
34430 00	Boiler shop products, n.s.k. (For establishments with 10 or more employees. See Note.)		(X)	180.7	(X)	88.6
34430 02	Boiler shop products, n.s.k. (For establishments with less than 10 employees. See Note.)		(X)	15.0		
3444- --	SHEET METALWORK, TOTAL		(X)	1,687.1	(X)	1,324.7
34441 --	Sheet metal roofing and siding and roof drainage equipment		(X)	408.5	(X)	306.2
34441 05	Fabricated metal flooring	1,000 s. tons	e121.6	33.1	(NA)	(NA)
	Metal roofing:					
34441 11	Steel, all types	...do	[3]725.7	[3]179.5	579.2	133.7
34441 13	Aluminum, all types	...do	50.4	38.1	18.1	16.5
34441 15	Other metals, all types	...do	(NA)	[4]3.2	(NA)	[4]2.8
	Metal siding:					
34441 16	Steel	...do	([3])	([3])	20.3	6.5
	Aluminum:					
34441 17	Residential	...do	(NA)	85.8	97.8	93.7
34441 18	Other (commercial, industrial, farm buildings, etc.)	...do	11.3	14.6	(X)	5.2
34441 19	Other metals	...do	(NA)	([4])	(NA)	([4])
	Roof drainage equipment, includng eave troughs, etc.:					
34441 23	Steel	...do	(NA)	24.7	80.3	25.2
34441 27	Copper	...do	(NA)	2.1	1.8	2.4
34441 29	Aluminum	...do	(NA)	6.0	(NA)	6.1
34441 00	Sheetmetal roofing and siding and roof drainage equipment, n.s.k.		(X)	21.4	(X)	14.0
34442 --	Culverts, flumes, irrigation pipes		(X)	169.9	(X)	137.5
34442 13	Steel		(X)	145.8	(X)	122.4
34442 15	Aluminum		(X)	18.7	(X)	4.6
34442 19	Other metal		(X)	1.6	(X)	6.7
34442 00	Culverts, flumes, irrigation pipes, n.s.k.		(X)	3.8	(X)	3.8

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3444- --	SHEET METALWORK, TOTAL--Continued					
34443 --	Other sheet metalwork	.....	(X)	722.9	(X)	731.8
34443 11	Cornices, skylights, ceiling, domes, copings and gravel stops	.....	(X)	11.3	(X)	14.8
34443 15	Roof ventilators	.....	(X)	25.2	(X)	13.8
	Bins and vats:					
34443 21	Grain, excluding drumg floors, fans, heaters, etc	.....	(X)	26.1	(X)	27.0
34443 25	Other, including feed storage	.....	(X)	14.9	(X)	13.4
	Other sheet metal products:					
	Stove pipe and furnace smoke pipe, elbows, ducts:					
34443 32	Aluminum	.....	(X)	48.7	(X)	26.6
34443 34	Steel	.....	(X)	54.8	(X)	66.3
	Air conditioning ducts, including dust collecting ducts:					
34443 36	Aluminum	.....	(X)	20.9	(X)	25.4
34443 37	Steel	.....	(X)	56.5	(X)	68.9
	Restaurant, hotel, and kitchen sheet metal equipment such as table tops, drainboard tops, etc.:					
34443 42	Aluminum	.....	(X)	14.9	(X)	20.9
34443 44	Steel	.....	(X)	37.9	(X)	26.1
	Metal awning and canopies, carports and patio roofs, assembled or unassembled prefabricated types:					
34443 46	Aluminum	.....	(X)	34.0	(X)	36.5
34443 47	Steel	.....	(X)	13.8	(X)	6.0
34443 51	Soffits, fascia, and shutters, aluminum	.....	(X)	11.1	(NA)	(NA)
	Other sheet matalwork (except cornices, skylights, ceiling domes, copings, gravel stops, roof ventilators, bins, and vats):					
34443 62	Steel	.....	(X)	200.4	(X)	176.7
34443 64	Aluminum	.....	(X)	50.4	(X)	52.2
34443 98	Other sheet metalwork of metals other than steel or aluminum	.....	(X)	21.5	(X)	81.2
34443 00	Other sheet metalwork, n.s.k	.....	(X)	80.5	(X)	75.8
34440 00	Sheet metalwork, n.s.k. (Represents primarily establishments with 10 or more employees in 1967. See Note.)	.....	(X)	320.7		
34440 02	Sheet metal work, n.s.k. (Represents primarily establishments with less than 10 employees in 1967. See note.)	.....	(X)	65.0	(X)	149.2
3446- --	ARCHITECTURAL METALWORK	.....	(X)	504.9	(X)	306.2
	Architectural and ornamental metalwork (except curtain wall and other exterior panels):					
	Grilles, all types (including open mesh partitions and guards):					
34460 11	Iron and steel	1,000 short tons	[e]59.1	40.7	(NA)	27.1
34460 16	Aluminum	...do	(NA)	19.3	[e]5.1	10.9
	Fences and gates, other than wire:					
34460 21	Iron and steel	...do	(NA)	5.9	(NA)	6.4
34460 26	Aluminum	...do	[e]0.8	1.5	(NA)	2.6
	Stairs, staircases, fire excapes, and railings:					
34460 31	Iron and steel	...do	[e]112.7	64.2	137.4	70.7
34460 36	Aluminum	...do	(NA)	21.4	(NA)	13.0
	Open flooring and grating for building construction:					
34460 41	Iron and steel	...do	[e]70.6	29.3	(NA)	24.4
34460 46	Aluminum	...do	[e]1.5	3.3	(NA)	4.3
	Other:					
34460 51	Iron and steel	.....	(X)	174.8	(X)	54.3
34460 56	Aluminum	1	(X)	26.6	(X)	38.8
34460 61	Architectural and ornamental metalwork other than aluminum or steel	.....	(X)	13.7	(X)	5.4
34460 00	Ornamental and structural metalwork, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	68.3		
34460 02	Ornamental and structural metalwork, n.s.k. (For establishments with less than 10 employees. See Note.)	.....	(X)	35.9	(X)	48.3

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3449- --	MISCELLANEOUS METALWORK, TOTAL	.....	(X)	1,116.6	(X)	793.3
34492 --	Prefabricated and portable metal buildings and parts	.....	(X)	378.0	(X)	224.5
	Grain storage buildings, including farm and commercial types:					
34492 11	Steel	1,000.....	10.2	53.4	12.3	23.1
34492 21	Aluminum	...do.....	(NA)	4.9		
	Other farm service buildings (livestock shelters, machinery storage, etc.) (excluding wood frame buildings):					
34492 12	Steel	...do.....	(NA)	17.8	4.8	12.9
34492 22	Aluminum	...do.....				
	Dwellings, including vacation homes and camp buildings:					
34492 13	Steel	...do.....	[e]2.7	9.7	(NA)	2.0
34492 23	Aluminum	...do.....			(NA)	3.2
	Industrial and commercial buildings:					
34492 14	Steel	...do.....	[e]29.3	198.0	18.2	115.8
34492 24	Aluminum	...do.....			0.4	2.6
	Small utility buildings, including tool sheds, cabanas, storage houses, etc.:					
34492 16	Steel	...do.....	(NA)	16.4	(NA)	(NA)
34492 26	Aluminum	...do.....	(NA)	3.4	(NA)	(NA)
	Other (including garages, etc.):					
34492 17	Steel	...do.....	(NA)	12.9	(NA)	18.5
34492 27	Aluminum	...do.....	2.9	9.0	(NA)	16.2
	Panels, parts or sections for prefabricated buildings, not sold as a complete unit, including sandwich and single face panels:					
34492 53	Steel	...do.....	(NA)	17.2	(NA)	16.9
34492 55	Aluminum	...do.....	(NA)	10.2	(NA)	9.2
34492 00	Prefabricated and portable metal buildings and parts, n.s.k.	.....	(X)	25.1	(X)	4.0
34493 --	Miscellaneous metal building materials and curtain wall	.....	(X)	615.8	(X)	506.5
	Metal plaster bases:					
34493 11	Expanded metal lath	Million sq.yds.	[e]81.2	29.1	66.8	23.3
34493 32	Metal plaster base accessories (including corner beads, screens, grounds, etc.)	.....	(X)	20.7	(X)	31.9
34493 42	Fabricated bar joists	1,000 short tons.....	[e]697.4	151.8	381.0	89.3
34493 52	Fabricated concrete reinforcing bars	...do.....	2,254.1	327.8	2,080.3	276.8
	Curtain wall:					
34493 73	Steel, including stainless	Million sq.ft.	(NA)	7.4	14.0	10.1
34493 75	Aluminum	...do.....	(NA)	32.1	11.7	41.4
34493 79	All other, including combination of metals	...do.....	(NA)	22.7	(NA)	13.4
34493 00	Miscellaneous metal building materials and curtain wall, n.s.k.	.....	(X)	24.2	(X)	20.4
34490 00	Miscellaneous metalwork, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	111.9	(X)	62.3
34490 02	Miscellaneous metalwork, n.s.k. (For establishments with less than 10 employees. See Note.)	.....	(X)	10.7		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Does not include structural metal fabricated for own use by establishments building ships.

[2]Data differ from those data published in Current Industrial Reports Series MA-34G, "Steel Power Boilers" because:

a. In survey MA-34G the data represent new orders, whereas census of manufactures data represent shipments.

b. In survey MA-34G the data relate to boilers of 100 square feet of heating surface and over, whereas census of manufactures includes those of under 100 square feet of heating surface.

[3]Steel siding, product code 3444116 is included with steel roofing, all types, product code 3444111.

[4]Metal siding of other than steel or aluminum, product code 3444119, is included with metal roofing of other than steel or aluminum, product code 3444115.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
FABRICATED STRUCTURAL METAL FOR BUILDINGS (34411)		
United States	1,430.3	984.0
Northeast Region	412.7	272.3
New England Div	59.4	36.2
Maine	6.6	4.4
New Hampshire	BB	(D)
Vermont	AA	(1)
Massachusetts	30.4	16.8
Rhode Island	3.0	1.7
Connecticut	15.0	12.1
Middle Atlantic Div	353.3	236.1
New York	105.1	86.6
New Jersey	66.4	37.3
Pennsylvania	181.8	112.2
North Central Region	434.8	290.7
East North Central Div	319.2	210.4
Ohio	75.2	41.7
Indiana	56.6	32.5
Illinois	88.4	60.6
Michigan	74.3	51.9
Wisconsin	24.7	23.6
West North Central Div	115.6	80.3
Minnesota	25.1	13.9
Iowa	27.7	18.8
Missouri	38.2	27.1
North Dakota	AA	(1)
South Dakota	BB	(1)
Nebraska	7.5	6.6
Kansas	13.7	10.7
South Region	393.2	283.6
South Atlantic Div	153.5	110.6
Maryland	EE	16.6
District of Columbia	BB	(D)
Virginia	35.8	28.0
West Virginia	3.0	9.4
North Carolina	27.0	14.5
South Carolina	27.0	14.8
Georgia	17.1	8.6
Florida	23.3	18.4
East South Central Div	96.4	65.0
Kentucky	3.7	2.0
Tennessee	37.6	26.2
Alabama	39.6	26.2
Mississippi	15.6	10.6
West South Central Div	143.2	108.0
Arkansas	16.2	9.9
Louisiana	19.2	12.8
Oklahoma	20.5	15.6
Texas	87.3	69.7
West Region	189.7	137.4
Mountain Div	32.2	27.4
Montana	AA	(D)
Idaho	2.1	2.5
Colorado	11.5	8.8
New Mexico	1.5	(1)
Arizona	8.4	6.1
Utah	5.7	6.8
Nevada	AA	(1)
Pacific Div	157.5	110.0
Washington	26.2	12.3
Oregon	12.2	5.1
California	118.8	91.4

Product class and geographic area	Value of shipments	
	1967	1963
FABRICATED STRUCTURAL METAL FOR BRIDGES (34412)		
United States	312.2	224.9
Northeast Region	105.5	72.5
New England Div	12.5	10.9
Maine	BB	(1)
Massachusetts	CC	(1)
Connecticut	BB	(1)
Middle Atlantic Div	92.9	61.6
New York	8.9	11.1
New Jersey	16.2	7.8
Pennsylvania	67.8	42.7
North Central Region	104.3	79.7
East North Central Div	84.4	59.6
Ohio	9.5	9.7
Indiana	27.1	23.6
Illinois	15.4	11.3
Michigan	26.1	5.9
Wisconsin	6.3	9.0
West North Central Div	19.9	20.1
Minnesota	2.9	2.5
Iowa	7.7	5.9
Missouri	4.0	3.6
Nebraska	1.9	2.7
Kansas	2.7	(1)
South Region	74.3	53.5
South Atlantic Div	27.8	20.4
Maryland	AA	(D)
Virginia	10.8	12.3
North Carolina	9.0	4.9
Georgia	3.6	(1)
Florida	2.0	(D)
East South Central Div	21.5	18.0
Tennessee	EE	(1)
Alabama	EE	13.6
West South Central Div	25.1	15.1
Arkansas	AA	(D)
Louisiana	AA	(1)
Oklahoma	9.6	4.3
Texas	12.3	8.0
West Region	28.1	19.3
Mountain Div	5.0	4.9
Colorado	BB	(D)
Arizona	AA	(1)
Pacific Div	23.2	14.4
Washington	BB	(1)
Oregon	AA	(D)
California	16.9	10.5
OTHER FABRICATED STRUCTURAL METAL (34413)		
United States	550.6	287.2
Northeast Region	106.8	71.6
New England Div	7.0	3.2
Massachusetts	BB	1.2
Connecticut	BB	1.7
Middle Atlantic Div	99.8	68.4
New York	10.0	7.0
New Jersey	9.7	1.6
Pennsylvania	80.1	59.8

Product class and geographic area	Value of shipments	
	1967	1963
OTHER FABRICATED STRUCTURAL METAL (34413)--Con.		
North Central Region	140.6	71.3
East North Central Div	119.5	62.4
Ohio	35.8	20.4
Indiana	14.0	12.3
Illinois	25.0	17.9
Michigan	29.2	8.6
Wisconsin	15.5	3.2
West North Central Div	21.1	8.9
Minnesota	5.8	1.1
Missouri	BB	2.5
Nebraska	1.2	(D)
Kansas	CC	4.1
South Region	157.7	86.7
South Atlantic Div	43.2	16.4
Maryland	16.5	2.5
Virginia	7.8	3.7
West Virginia	AA	(1)
North Carolina	2.2	(D)
South Carolina	BB	1.8
Georgia	4.9	(D)
Florida	7.9	4.4
East South Central Div	8.9	29.8
Alabama	7.3	8.7
West South Central Div	105.7	40.5
Arkansas	AA	(D)
Louisiana	FF	1.3
Oklahoma	FF	11.8
Texas	46.1	27.3
West Region	145.5	57.8
Mountain Div	15.4	7.2
Idaho	BB	(1)
Arizona	CC	(D)
Utah	BB	(1)
Pacific Div	130.0	50.6
Washington	14.1	(1)
Oregon	1.3	12.9
California	114.5	34.0
METAL DOORS AND FRAMES (EXCEPT STORM DOORS) (34421)		
United States	345.7	289.6
Northeast Region	91.3	87.4
New England Div	9.8	14.2
Massachusetts	6.1	5.8
Connecticut	BB	(1)
Middle Atlantic Div	81.6	73.2
New York	47.2	45.4
New Jersey	12.2	10.8
Pennsylvania	22.2	17.0
North Central Region	134.7	98.0
East North Central Div	120.6	91.7
Ohio	37.7	29.1
Indiana	17.9	10.4
Illinois	20.0	17.1
Michigan	44.0	34.2
Wisconsin	1.1	.9
West North Central Div	14.1	6.3
Minnesota	4.3	1.9
Iowa	1.3	(D)
Missouri	6.3	2.6
Kansas	1.6	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
METAL DOORS AND FRAMES (EXCEPT STORM DOORS) (34421)--Con.		
South Region	66.0	56.4
South Atlantic Div.	44.2	36.7
Maryland	AA	(D)
Virginia	7.0	5.1
North Carolina	AA	(D)
Georgia	14.7	9.8
Florida	18.5	20.0
East South Central Div.	8.6	6.5
Kentucky	AA	(D)
Tennessee	3.0	2.0
Alabama	BB	(1)
West South Central Div.	13.1	13.2
Louisiana	1.8	(1)
Oklahoma	1.1	(D)
Texas	9.8	4.8
West Region	53.6	47.8
Mountain Div.	2.0	2.4
New Mexico	AA	(D)
Pacific Div.	51.6	45.4
Washington	AA	(1)
Oregon	BB	3.1
California	47.3	41.4
METAL WINDOW SASH AND FRAMES (EXCEPT STORM SASH) (34422)		
United States	257.5	308.8
Northeast Region	41.2	53.3
New England Div.	8.7	8.4
New Hampshire	1.2	(D)
Massachusetts	5.3	6.0
Connecticut	2.1	1.8
Middle Atlantic Div.	32.5	44.9
New York	13.7	15.7
New Jersey	5.2	7.0
Pennsylvania	13.6	22.3
North Central Region	77.0	95.0
East North Central Div.	58.3	74.3
Ohio	21.4	22.8
Illinois	11.2	18.1
Michigan	18.0	14.5
Wisconsin	7.0	7.4
West North Central Div.	18.6	20.7
Minnesota	CC	3.5
Missouri	7.6	15.4
Kansas	BB	(D)
South Region	101.4	93.5
South Atlantic Div.	65.7	53.4
Maryland	BB	1.8
Virginia	2.4	(1)
South Carolina	BB	(D)
Georgia	12.4	1.7
Florida	43.9	45.7
East South Central Div.	12.1	14.4
Kentucky	AA	(1)
Tennessee	3.7	3.3
Alabama	3.2	(1)
Mississippi	BB	4.9
West South Central Div.	23.6	25.7
Texas	22.0	21.7
METAL WINDOW SASH AND FRAMES (EXCEPT STORM SASH) (34422)--Con.		
West Region	37.9	67.0
Mountain Div.	3.6	3.2
Colorado	AA	2.2
Arizona	AA	(D)
Pacific Div.	34.3	63.8
Washington	2.7	9.6
Oregon	1.6	1.3
California	30.0	53.0
METAL MOLDING AND TRIM AND STORE FRONTS (34423)		
United States	145.0	116.8
Northeast Region	22.1	20.8
New England Div.	4.1	7.2
New Hampshire	BB	3.7
Middle Atlantic Div.	18.0	13.6
New York	CC	(D)
New Jersey	9.8	(1)
Pennsylvania	BB	6.2
North Central Region	56.0	(D)
East North Central Div.	GG	39.1
Ohio	3.6	(D)
Indiana	BB	4.6
Illinois	19.2	13.2
Michigan	27.7	20.4
Wisconsin	AA	(D)
South Region	56.6	46.6
South Atlantic Div.	FF	37.3
South Carolina	AA	(D)
Georgia	FF	(1)
East South Central Div.	CC	4.9
Kentucky	CC	(1)
West South Central Div.	4.5	4.4
Oklahoma	BB	(1)
Texas	AA	(1)
West Region	11.2	(D)
Pacific Div.	EE	9.7
Washington	BB	(1)
California	CC	(1)
METAL COMBINATION SCREEN AND STORM SASH AND DOORS (34424)		
United States	198.2	221.4
Northeast Region	59.7	82.5
New England Div.	11.3	16.1
Massachusetts	7.3	9.4
Connecticut	2.8	4.6
Middle Atlantic Div.	48.4	66.4
New York	16.9	26.1
New Jersey	10.5	22.0
Pennsylvania	21.0	18.3
North Central Region	78.3	100.4
East North Central Div.	59.5	75.8
Ohio	31.1	29.5
Indiana	2.4	4.1
Illinois	11.9	21.4
Michigan	11.6	18.4
Wisconsin	2.5	2.3
METAL COMBINATION SCREEN AND STORM SASH AND DOORS (34424)--Con.		
North Central Region--Con.		
West North Central Div.	18.8	24.6
Minnesota	4.3	2.9
Iowa	1.5	4.0
Missouri	10.0	9.6
Nebraska	1.1	1.4
Kansas	1.6	6.6
South Region	55.3	30.8
South Atlantic Div.	25.6	14.0
Delaware	AA	1.3
Maryland	14.4	3.2
Virginia	2.7	1.8
North Carolina	4.3	5.3
Florida	AA	(D)
East South Central Div.	20.1	12.9
Kentucky	5.1	5.7
Tennessee	5.8	5.0
Alabama	BB	(1)
Mississippi	BB	(D)
West South Central Div.	9.6	3.9
Arkansas	CC	(D)
Oklahoma	BB	1.9
West Region	4.9	7.6
Mountain Div.	1.7	2.4
Colorado	1.4	1.8
Pacific Div.	3.1	5.2
California	BB	3.4
METAL WINDOW, DOOR SCREENS (EXCEPT COMBINATION, WEATHER STRIP) (34425)		
United States	61.5	56.7
Northeast Region	10.6	9.3
Middle Atlantic Div.	9.7	7.4
New York	1.8	4.6
New Jersey	4.4	(D)
Pennsylvania	3.4	(D)
North Central Region	21.4	19.7
East North Central Div.	18.2	15.3
Ohio	1.6	3.0
Indiana	CC	1.7
Illinois	CC	9.3
Michigan	2.2	1.3
West North Central Div.	3.3	4.4
Iowa	AA	(D)
South Region	23.1	18.9
South Atlantic Div.	11.0	7.4
Georgia	1.4	(D)
Florida	8.7	5.5
East South Central Div.	4.2	3.4
Mississippi	BB	(D)
West South Central Div.	7.9	8.1
Oklahoma	BB	(1)
Texas	BB	(1)
West Region	6.3	8.8
Pacific Div.	CC	(D)
California	CC	8.5

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
HEAT EXCHANGERS AND STEAM CONDENSERS (34431)		
United States	343.5	160.5
Northeast Region	157.6	70.8
New England Div.	10.2	9.1
New Hampshire	BB	(D)
Massachusetts	BB	5.4
Connecticut	BB	(1)
Middle Atlantic Div.	147.4	61.7
New York	59.5	24.0
New Jersey	23.6	8.8
Pennsylvania	64.3	28.9
North Central Region	65.2	(D)
East North Central Div.	FF	29.9
Ohio	CC	(1)
Illinois	8.4	4.4
Michigan	BB	(1)
Wisconsin	19.0	18.6
West North Central Div.	FF	(D)
Missouri	FF	(1)
South Dakota	BB	(D)
South Region	109.9	(D)
South Atlantic Div.	14.5	(D)
North Carolina	CC	(D)
South Carolina	BB	(D)
East South Central Div.	4.4	3.8
Kentucky	AA	(1)
Tennessee	1.5	(1)
Alabama	AA	(D)
West South Central Div.	91.0	30.8
Louisiana	BB	1.2
Oklahoma	56.1	18.7
Texas	FF	11.0
West Region	10.7	(D)
Pacific Div.	10.7	8.1
California	10.4	7.7
FABRICATED STEEL PLATE, INCLUDING STACKS, AND WELDMENTS (34432)		
United States	517.9	374.2
Northeast Region	144.9	144.8
New England Div.	20.0	41.7
Massachusetts	14.4	25.5
Connecticut	4.4	15.6
Middle Atlantic Div.	124.9	103.1
New York	11.2	6.1
New Jersey	12.1	7.8
Pennsylvania	101.6	89.2
North Central Region	181.4	96.8
East North Central Div.	134.9	66.9
Ohio	61.3	22.9
Indiana	9.8	7.0
Illinois	30.6	16.4
Michigan	17.7	12.7
Wisconsin	15.5	8.0
West North Central Div.	46.4	29.9
Minnesota	6.5	(1)
Iowa	5.0	3.5
Missouri	30.6	15.8
Kansas	3.9	(1)
FABRICATED STEEL PLATE, INCLUDING STACKS, AND WELDMENTS (34432)--Con.		
South Region	114.3	58.7
South Atlantic Div.	31.4	22.3
Delaware	BB	(D)
Maryland	8.3	5.6
Virginia	10.0	7.7
North Carolina	1.5	1.7
Florida	CC	3.5
East South Central Div.	33.8	13.2
Tennessee	1.8	1.7
Alabama	FF	9.1
Mississippi	CC	(1)
West South Central Div.	49.2	23.2
Louisiana	1.5	1.5
Oklahoma	2.5	(D)
Texas	44.2	19.8
West Region	77.3	73.8
Mountain Div.	13.3	14.9
Colorado	3.5	3.4
Utah	8.4	9.0
Pacific Div.	64.0	58.9
Washington	5.2	(1)
Oregon	12.7	7.4
California	45.9	49.4
STEEL POWER BOILERS, PARTS, ATTACHMENTS, OVER 15 P.S.I. (34433)		
United States	521.7	340.7
Northeast Region	135.8	(D)
New England Div.	CC	(D)
Connecticut	CC	(D)
Middle Atlantic Div.	GG	94.2
New York	FF	(1)
New Jersey	BB	(1)
Pennsylvania	GG	58.6
North Central Region	112.5	109.1
East North Central Div.	GG	102.9
Ohio	GG	64.9
Indiana	EE	(1)
Illinois	BB	(1)
Michigan	EE	(1)
West North Central Div.	CC	6.2
Minnesota	BB	(1)
Iowa	BB	(1)
South Region	268.2	(D)
South Atlantic Div.	GG	(D)
Maryland	FF	(D)
Virginia	FF	(1)
North Carolina	FF	(1)
Georgia	EE	(1)
East South Central Div.	GG	(D)
Kentucky	BB	(D)
Tennessee	GG	(1)
Mississippi	FF	(1)
West South Central Div.	FF	(D)
Oklahoma	CC	(D)
Texas	EE	(1)
West Region	5.2	(D)
Mountain Div.	AA	(D)
Arizona	AA	(D)
STEEL POWER BOILERS, PARTS, ATTACHMENTS, OVER 15 P.S.I. (34433)--Con.		
West Region--Con.		
Pacific Div.	BB	4.1
California	BB	4.1
GAS CYLINDERS (34434)		
United States	72.2	46.3
Northeast Region	FF	(D)
Middle Atlantic Div.	FF	13.8
New Jersey	BB	3.0
Pennsylvania	EE	(1)
North Central Region	27.7	(D)
East North Central Div.	27.7	22.3
Ohio	AA	(1)
Indiana	CC	(1)
Illinois	BB	(1)
Wisconsin	EE	(1)
South Region	EE	(D)
South Atlantic Div.	CC	(D)
North Carolina	AA	(D)
Georgia	BB	(D)
Florida	AA	(D)
East South Central Div.	CC	(D)
Tennessee	CC	(D)
West South Central Div.	AA	1.8
Texas	AA	1.7
West Region	EE	(D)
Pacific Div.	EE	6.8
California	EE	6.8
METAL TANKS, FACTORY COMPLETE, STANDARD, PRESSURE (34435)		
United States	120.2	104.4
Northeast Region	16.8	11.1
New England Div.	5.1	1.6
New Hampshire	AA	(D)
Rhode Island	BB	(D)
Middle Atlantic Div.	11.7	9.5
New York	1.3	2.3
Pennsylvania	9.8	3.2
North Central Region	28.1	32.2
East North Central Div.	21.6	24.2
Ohio	BB	3.3
Indiana	1.4	(1)
Illinois	9.8	12.3
Michigan	BB	(1)
Wisconsin	4.7	5.1
West North Central Div.	6.5	8.0
Minnesota	BB	4.3
Nebraska	BB	(1)
South Region	56.0	50.1
South Atlantic Div.	12.9	15.6
Virginia	BB	2.7
North Carolina	BB	4.0
Georgia	6.1	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
METAL TANKS, FACTORY COMPLETE, STANDARD, PRESSURE (34435)--Con.		
South Region--Con.		
East South Central Div.	5.9	7.6
Tennessee	BB	4.4
Mississippi	BB	(1)
West South Central Div.	37.2	26.9
Arkansas	AA	(D)
Louisiana	CC	(1)
Oklahoma	FF	12.9
Texas	10.7	8.9
West Region	19.4	11.0
Mountain Div.	2.1	1.7
Colorado	AA	(1)
Pacific Div.	17.3	9.3
California	16.3	8.6
METAL TANKS, FACTORY COMPLETE, STANDARD, NONPRESSURE (34437)		
United States	177.3	145.6
Northeast Region	28.3	28.3
New England Div.	6.8	6.4
Massachusetts	CC	4.6
Middle Atlantic Div.	21.5	21.9
New York	7.8	9.1
New Jersey	6.6	3.6
Pennsylvania	7.1	9.2
North Central Region	76.8	57.5
East North Central Div.	38.8	37.9
Ohio	8.7	9.1
Indiana	5.3	3.9
Illinois	9.6	7.7
Michigan	5.3	5.4
Wisconsin	9.9	11.8
West North Central Div.	38.0	19.6
Minnesota	CC	4.1
Missouri	18.2	12.5
Nebraska	CC	(D)
Kansas	2.8	1.0
South Region	50.1	39.2
South Atlantic Div.	EE	15.2
Maryland	1.5	2.9
Virginia	2.6	1.6
North Carolina	2.9	3.2
South Carolina	1.1	(D)
Georgia	2.3	3.3
Florida	2.2	3.7
East South Central Div.	CC	5.4
Kentucky	BB	2.7
Alabama	CC	2.3
West South Central Div.	27.8	18.6
Arkansas	3.0	(1)
Louisiana	3.5	(1)
Oklahoma	9.0	7.7
Texas	12.3	7.7
West Region	22.0	20.7
Mountain Div.	5.4	4.3
Colorado	2.0	1.9
New Mexico	AA	(D)
Pacific Div.	16.6	16.4
Washington	3.4	1.8
California	12.1	13.2

Product class and geographic area	Value of shipments	
	1967	1963
METAL TANKS, VESSELS, CUSTOM FABRICATED AT FACTORY (34438)		
United States	464.8	197.1
Northeast Region	74.2	35.2
New England Div.	7.7	5.6
Massachusetts	CC	4.9
Connecticut	AA	(D)
Middle Atlantic Div.	66.5	29.6
New York	6.0	4.0
New Jersey	10.8	6.9
Pennsylvania	49.8	18.8
North Central Region	148.7	45.6
East North Central Div.	134.4	41.0
Ohio	55.1	15.2
Indiana	FF	(1)
Illinois	FF	8.8
Michigan	12.9	(1)
Wisconsin	7.6	6.2
West North Central Div.	14.3	4.6
Minnesota	2.6	(D)
Iowa	AA	(D)
Missouri	7.7	3.3
Kansas	BB	(D)
South Region	197.0	91.6
South Atlantic Div.	23.9	11.9
Delaware	CC	(1)
Maryland	BB	1.3
Virginia	2.1	(1)
West Virginia	AA	(1)
North Carolina	3.9	(1)
Georgia	BB	2.6
Florida	4.4	(D)
East South Central Div.	51.9	10.0
Kentucky	AA	(D)
Tennessee	6.8	1.8
Alabama	FF	6.8
West South Central Div.	121.2	69.7
Louisiana	FF	(1)
Oklahoma	23.5	18.0
Texas	69.4	32.1
West Region	44.8	24.7
Mountain Div.	10.1	3.8
Colorado	BB	1.7
Utah	CC	1.6
Pacific Div.	34.7	20.9
California	32.8	19.6
METAL TANKS, VESSELS, CUSTOM FABRICATED, FIELD ERECTED (34439)		
United States	176.1	123.3
Northeast Region	31.8	(D)
New England Div.	1.6	(D)
Massachusetts	1.6	(D)
Middle Atlantic Div.	30.2	20.8
New York	1.1	(D)
New Jersey	2.5	2.9
Pennsylvania	26.6	17.1
North Central Region	38.2	(D)
East North Central Div.	25.8	17.8
Ohio	8.1	(D)
Indiana	CC	(1)
Illinois	9.2	(1)

Product class and geographic area	Value of shipments	
	1967	1963
METAL TANKS, VESSELS, CUSTOM FABRICATED, FIELD ERECTED (34439)--Con.		
North Central Region--Con.		
West North Central Div.	12.4	(D)
Minnesota	2.1	(D)
Iowa	BB	(1)
Missouri	1.6	(D)
Kansas	BB	(D)
South Region	62.7	56.9
South Atlantic Div.	14.9	11.1
Delaware	BB	8.0
Virginia	AA	(D)
Georgia	7.8	(1)
East South Central Div.	13.6	24.9
Kentucky	AA	(1)
Tennessee	2.7	(1)
Alabama	CC	(1)
West South Central Div.	34.2	20.9
Arkansas	AA	(D)
Louisiana	3.6	1.7
Oklahoma	BB	4.6
Texas	25.5	14.5
West Region	43.4	20.4
Mountain Div.	22.2	12.5
Utah	FF	(1)
Pacific Div.	21.1	7.9
California	19.7	6.6
SHEET METAL ROOFING, SIDING, ROOF DRAINAGE EQUIPMENT (3441)		
United States	408.5	306.2
Northeast Region	78.4	48.9
New England Div.	2.7	2.5
Massachusetts	2.2	2.0
Middle Atlantic Div.	75.7	46.4
New York	10.0	(1)
New Jersey	17.3	(1)
Pennsylvania	48.4	33.0
North Central Region	242.7	180.2
East North Central Div.	225.9	171.7
Ohio	115.9	97.6
Indiana	EE	10.3
Illinois	24.4	18.8
Michigan	37.9	19.3
Wisconsin	FF	25.6
West North Central Div.	16.8	8.5
Minnesota	AA	(D)
Iowa	5.2	(1)
Missouri	7.9	5.7
Nebraska	AA	(D)
South Region	54.8	51.1
South Atlantic Div.	27.7	26.0
Maryland	6.1	4.3
Virginia	AA	(1)
West Virginia	EE	(1)
North Carolina	BB	(1)
Georgia	1.5	(D)
East South Central Div.	20.5	16.1
Tennessee	EE	(1)
Alabama	2.8	1.1
Mississippi	BB	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
SHEET METAL ROOFING, SIDING, ROOF DRAINAGE EQUIPMENT (34441)--Con.		
South Region--Con.		
West South Central Div.	6.6	9.0
Louisiana	AA	1.2
Oklahoma	AA	1.5
Texas	3.2	5.6
West Region	32.6	26.0
Mountain Division	2.9	1.9
Utah	AA	(D)
Pacific Division	29.7	24.1
Washington	7.0	2.3
Oregon	2.2	1.2
California	20.4	20.6
CULVERTS, FLUMES, IRRIGATION PIPES (34442)		
United States	169.9	137.5
Northeast Region	20.8	21.9
New England Div.	7.2	5.1
Maine	AA	(1)
Vermont	BB	(D)
Massachusetts	BB	(1)
Middle Atlantic Div.	13.6	16.8
New York	CC	4.9
Pennsylvania	7.4	10.9
North Central Region	60.6	50.3
East North Central Div.	35.2	31.9
Ohio	13.8	15.6
Indiana	12.2	9.2
Illinois	3.6	2.2
Michigan	1.8	2.3
Wisconsin	3.7	2.7
West North Central Div.	25.5	18.4
Minnesota	4.1	4.4
Iowa	3.4	3.1
Missouri	3.4	2.7
North Dakota	AA	(D)
South Dakota	1.2	(D)
Nebraska	6.2	3.4
Kansas	CC	3.9
South Region	45.5	32.1
South Atlantic Div.	27.4	18.1
Maryland	EE	(1)
West Virginia	BB	(D)
North Carolina	4.7	3.7
Georgia	AA	(1)
Florida	5.0	5.2
East South Central Div.	9.9	6.9
Kentucky	BB	(1)
Tennessee	BB	3.5
Alabama	BB	(1)
West South Central Div.	8.1	7.1
Louisiana	BB	(1)
Oklahoma	BB	2.6
Texas	2.7	2.8
West Region	43.1	33.2
Mountain Div.	8.8	12.0
Montana	AA	(1)
Colorado	2.9	(1)
Arizona	AA	1.4
Utah	AA	2.9

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
CULVERTS, FLUMES, IRRIGATION PIPES (34442)--Con.		
West Region--Con.		
Pacific Div.	34.2	21.2
Washington	3.7	(1)
Oregon	8.5	6.9
California	22.0	11.6
OTHER SHEET METALWORK (34443)		
United States	722.9	731.8
Northeast Region	190.5	206.4
New England Div.	48.9	43.0
Maine	AA	(1)
New Hampshire	AA	(D)
Massachusetts	27.1	30.0
Rhode Island	2.2	1.8
Connecticut	16.6	8.0
Middle Atlantic Div.	141.6	163.4
New York	55.1	76.1
New Jersey	35.9	34.1
Pennsylvania	50.6	53.2
North Central Region	328.4	313.0
East North Central Div.	250.5	229.2
Ohio	75.3	81.0
Indiana	44.4	25.9
Illinois	38.5	43.9
Michigan	50.1	51.3
Wisconsin	42.3	27.1
West North Central Div.	77.9	83.8
Minnesota	EE	13.3
Iowa	13.1	14.4
Missouri	35.1	32.9
South Dakota	AA	(1)
Nebraska	16.2	16.7
Kansas	AA	3.7
South Region	113.2	97.7
South Atlantic Div.	58.0	54.1
Maryland	12.6	15.7
District of Columbia	BB	(1)
Virginia	4.8	5.9
North Carolina	7.3	5.4
South Carolina	BB	(1)
Georgia	8.8	7.1
Florida	15.1	15.2
East South Central Div.	25.7	15.9
Kentucky	9.1	4.4
Tennessee	CC	5.6
Alabama	7.7	5.1
West South Central Div.	29.6	27.7
Arkansas	2.4	1.1
Louisiana	3.3	4.9
Oklahoma	2.7	3.0
Texas	21.2	18.7
West Region	90.7	114.6
Mountain Div.	6.8	10.7
Colorado	2.8	4.3
Arizona	2.6	4.2
Utah	AA	1.4
Pacific Div.	83.9	103.9
Washington	6.9	10.5
Oregon	7.9	5.5
California	68.6	87.6

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
PREFABRICATED, PORTABLE METAL BUILDINGS AND PARTS (34492)		
United States	378.0	224.5
Northeast Region	26.8	28.9
New England Div.	1.2	1.8
Massachusetts	1.2	(1)
Middle Atlantic Div.	25.6	27.1
New York	5.6	9.4
New Jersey	3.9	2.0
Pennsylvania	16.1	15.7
North Central Region	183.1	112.4
East North Central Div.	162.4	92.8
Ohio	37.3	21.9
Indiana	FF	(1)
Illinois	71.6	46.3
Michigan	CC	(1)
Wisconsin	20.3	6.9
West North Central Div.	20.7	19.6
Minnesota	AA	(D)
Iowa	BB	(1)
Missouri	3.9	2.4
Nebraska	CC	(1)
Kansas	1.0	1.9
South Region	107.5	49.8
South Atlantic Div.	42.4	14.2
Maryland	11.3	(D)
North Carolina	BB	(D)
Georgia	20.9	5.4
Florida	CC	4.6
East South Central Div.	36.2	16.2
Kentucky	CC	5.0
Tennessee	BB	(D)
Alabama	EE	(1)
Mississippi	EE	(D)
West South Central Div.	28.9	19.4
Louisiana	3.5	4.4
Oklahoma	EE	(1)
Texas		
West Region	60.6	33.3
Mountain Div.	1.3	(D)
Arizona	1.0	(D)
Pacific Div.	59.3	(D)
Washington	AA	(D)
Oregon	AA	(1)
California	55.5	29.5
MISCELLANEOUS METAL BUILDING MATERIALS AND CURTAIN WALL (34493)		
United States	615.9	506.5
Northeast Region	94.6	86.4
New England Div.	17.0	10.4
Maine	BB	(1)
Massachusetts	10.4	5.9
Rhode Island	AA	(1)
Connecticut	1.2	1.8
Middle Atlantic Div.	77.6	76.0
New York	FF	13.8
New Jersey	EE	14.7
Pennsylvania	42.3	47.5

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
MISCELLANEOUS METAL BUILDING MATERIALS AND CURTAIN WALL (34493)--Con.		
North Central Region....	201.9	171.7
East North Central Div....	139.3	123.2
Ohio.....	46.4	42.9
Indiana.....	15.3	8.7
Illinois.....	57.6	51.1
Michigan.....	13.2	11.4
Wisconsin.....	6.8	9.0
West North Central Div....	62.6	48.5
Minnesota.....	16.9	11.2
Iowa.....	BB	3.8
Missouri.....	FF	(1)
Nebraska.....	8.3	1.9
Kansas.....	CC	4.9
MISCELLANEOUS METAL BUILDING MATERIALS AND CURTAIN WALL (34493)--Con.		
South Region.....	199.0	156.8
South Atlantic Div.....	105.0	69.8
Maryland.....	14.5	11.6
Virginia.....	15.6	12.1
West Virginia.....	7.9	10.5
North Carolina.....	9.5	5.9
South Carolina.....	27.7	11.7
Georgia.....	6.8	(1)
Florida.....	23.1	16.0
East South Central Div....	37.3	34.6
Tennessee.....	12.7	8.1
Alabama.....	24.0	21.9
MISCELLANEOUS METAL BUILDING MATERIALS AND CURTAIN WALL (34493)--Con.		
South Region--Con.		
West South Central Div....	56.7	52.4
Arkansas.....	3.5	(1)
Louisiana.....	3.6	(1)
Oklahoma.....	6.6	11.9
Texas.....	43.0	34.9
West Region.....	120.5	91.7
Mountain Div.....	24.0	14.8
Colorado.....	CC	6.3
New Mexico.....	AA	(1)
Arizona.....	EE	(1)
Pacific Div.....	96.5	76.9
Washington.....	CC	(1)
Oregon.....	CC	(1)
California.....	78.9	60.6

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Quantity and Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3441-	Fabricated structural steel.....million dollars..	2,561.5	2,246.2	1,948.9	1,785.6	1,604.0	1,602.1	1,103.9	527.1
34411	Fabricated structural metal for buildings:								
	Quantity.....1,000 short tons..	[2] [e] 4,240.4	4,137.7	3,897.2	3,574.2	3,126.9	3,135.0	(NA)	(NA)
	Value.....million dollars..	1,430.3	1,402.7	1,256.5	1,133.1	984.0	930.4	682.9	(NA)
34412	Fabricated structural metal for bridges:								
	Quantity.....1,000 short tons..	[2] [e] 860.0	826.3	661.2	755.9	728.4	843.5	775.7	(NA)
	Value.....million dollars..	312.2	296.2	209.6	239.6	224.9	279.6	199.3	(NA)
34413	Other fabricated structural metal:								
	Quantity.....1,000 short tons..	[2] [e] 1,256.6	1,293.3	1,092.9	905.6	856.8	666.1	(NA)	(NA)
	Value..... million dollars..	550.6	466.6	369.4	305.2	287.2	262.0	182.6	(NA)
34410	Fabricated structural steel, n.s.k.....million dollars..	268.4	(80.8)	(113.5)	107.7	107.8	130.1	(NA)	(NA)
3442-	Metal doors, sash, and trim.....million dollars..	1,301.5	1,259.6	1,183.7	1,140.2	1,106.7	951.7	657.0	(NA)
34421	Metal doors and frames (except storm doors).....do....	345.7	365.4	332.0	326.0	289.6	192.4	149.8	52.1
34422	Metal window sash and frames (except storm sash).....do....	257.5	338.4	313.8	286.8	308.8	285.3	206.2	90.8
34423	Metal molding and trim and store fronts.....do....	145.0	167.8	150.2	136.9	116.8	97.3	68.1	46.3
34424	Metal combination screen and storm sash and doors.....do....	198.2	233.9	234.8	243.9	221.4	231.5	169.8	27.4
34425	Metal window and door screens (except combination), and metal weather strip.....do....	61.5	58.4	56.9	64.5	56.7	64.6	47.9	(NA)
34420	Metal doors, sash, and trim, n.s.k.....do....	293.6	95.9	96.0	82.1	113.5	80.6	15.1	6.9
3443-	Fabricated platework (boiler shop products).....do....	2,589.4	2,433.9	2,086.1	1,772.7	1,580.8	1,614.0	1,234.4	(NA)
34431	Heat exchangers and steam condensers.....do....	343.5	298.1	240.0	185.6	160.5	187.2	162.8	63.3
34432	Fabricated steel plate, including stacks and weldments.....do....	517.9	550.9	472.3	428.4	374.2	(NA)	(NA)	(NA)
34433	Steel power boilers, parts, and attachment (over 15 p.s.i. steam working pressure).....do....	521.7	517.7	443.8	381.5	340.7	409.5	264.8	131.2
34434	Gas cylinders.....do....	72.2	73.1	73.1	54.3	46.3	(NA)	(NA)	(NA)
34435	Metal tanks, factory complete, (standard line, pressure).....do....	120.2	152.8	138.9	130.6	104.4	269.0	228.7	(NA)
34437	Metal tanks, factory complete, (standard line, nonpressure).....do....	177.3	197.3	179.1	157.6	145.6			
34438	Metal tanks, and vessels, custom fabricated at the factory.....do....	464.8	414.1	322.2	231.2	197.1	293.8	258.9	(NA)
34439	Metal tanks, and vessels, custom fabricated and field erected.....do....	176.1	140.4	131.7	107.7	123.3			
34430	Fabricated platework (boiler shop products) n.s.k.....do....	195.7	89.5	85.0	95.8	88.6	70.1	14.3	27.5
3444-	Sheet metalwork.....do....	1,687.1	1,787.9	1,527.3	1,402.3	1,324.7	1,008.5	727.6	410.6
34441	Sheet metal roofing, siding, and roof drainage equipment.....do....	408.5	421.7	354.0	322.6	306.1	185.8	133.0	90.4
34442	Culverts, flumes, irrigation pipes.....do....	169.9	197.9	180.6	146.8	137.5	126.9	94.1	48.1
34443	Other sheet metalwork.....do....	722.9	1,005.9	830.6	767.7	731.8	485.9	408.8	224.0
34440	Sheet metalwork, n.s.k.....do....	385.7	(162.4)	162.0	165.4	149.2	209.9	91.8	48.3
34460	Architectural and ornamental. metalwork (except exterior panels).....do....	504.9	375.2	356.4	302.9	306.2	332.9	265.3	76.2
3449-	Miscellaneous metalwork.....do....	1,116.6	1,094.6	958.1	837.1	793.3	602.6	356.5	(NA)
34492	Prefabricated and portable metal buildings and parts.....do....	378.0	380.5	299.2	261.1	224.5	195.1	116.0	68.4
34493	Miscellaneous metal building materials and curtain wall.....do....	615.9	655.9	607.3	523.2	506.5	407.5	240.4	94.6
34490	Miscellaneous metalwork, n.s.k.....do....	122.6	(58.3)	51.7	52.8	62.3	(NA)	(NA)	(NA)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] These figures represent estimated derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2] These figures include an estimate for those products whose quantity are unavailable.

[e] 10 to 30 percent of this figure was estimated.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See appendix, "Explanation of Terms")

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3441.--FABRICATED STRUCTURAL STEEL					
	Materials, containers, parts, and supplies, total	.....	(X)	1,330.8	(X)	947.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons.	353.2	43.6	248.8	27.9
331010	Bars and bar shapes (except concrete reinforcing bars)	...do.....	376.4	59.9	362.0	53.2
331012	Sheet and strip	...do.....	377.3	64.6	311.5	48.4
331013	Plates	...do.....	1,047.2	162.2	969.6	143.0
331015	Structural shapes	...do.....	2,959.6	475.5	2,432.4	354.6
331017	Wire and wire products	...do.....	50.5	9.6	37.1	6.1
331019	All other carbon steel mill shapes and forms	...do.....	[1]164.7	[1]30.3	157.4	30.7
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do.....	23.9	5.0	9.9	1.7
331029	All other alloy steel mill shapes and forms	...do.....	10.1	3.0	30.8	7.4
331031	Stainless steel	...do.....	4.9	5.7	3.2	4.0
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	(NA)	1.3	0.1	0.1
335123	Plate, sheet, and strip, (including military cups and discs)	...do.....			0.3	0.3
335127	Pipe and tube	...do.....	([2])	([2])	2.3	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	22.3	11.6	11.6	6.0
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	28.0	13.9	10.2	4.7
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....			3.4	1.8
	Primary metals (ingot, pig, etc.):					
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1,000 short tons.	([2])	([2])	([2])	([2])
333348	Zinc and zinc-base alloy refinery shapes	...do.....	(NA)	0.9	([2])	([2])
	Scrap (excluding home scrap):					
999811	Iron and steel	...do.....	(NA)	1.2	10.7	0.5
999808	Aluminum and aluminum-base alloy	...do.....	(NA)	0.1	(NA)	(Z)
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do.....	4.4	1.7	3.7	1.0
332300	Steel	...do.....	64.9	18.1	20.8	8.5
336100	Aluminum and aluminum-base alloy	Million lbs.....	([2])	([2])	2.5	2.1
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	196.4	(X)	144.7
976000	Materials, etc., n.s.k.[4]	.....	(X)	226.2	(X)	99.9
	INDUSTRY 3442.--METAL DOORS, SASH, AND TRIM					
	Materials, containers, parts, and supplies, total	.....	(X)	704.2	(X)	628.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons.	9.1	1.8	30.5	4.6
331010	Bars and bar shapes (except concrete reinforcing bars)	...do.....				
331012	Sheet and strip	...do.....	243.1	40.4	269.7	42.9
331013	Plates	...do.....	6.7	1.1	2.9	0.5
331015	Structural shapes	...do.....	12.9	2.3	21.7	3.5
331017	Wire and wire products	...do.....	7.0	1.7	2.2	0.7
331019	All other carbon steel mill shapes and forms	...do.....	17.2	3.0	29.7	5.3
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do.....			4.5	1.1
331029	All other alloy steel mill shapes and forms	...do.....	22.0	14.1		
331031	Stainless steel	...do.....			7.6	7.8
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	0.5	0.3	0.3	0.2
335127	Pipe and tube	...do.....	([2])	([2])		
335123	Plate, sheet, and strip, including military cups and discs	...do.....	1.3	0.8	1.4	0.6
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	164.0	62.8	68.5	26.0
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	289.1	116.0	334.5	128.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	14.4	7.1	52.3	19.6

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3442.--METAL DOORS, SASH, AND TRIM--Continued					
	Primary metals (ingot, pig, etc.):					
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1,000 short tons.	108.4	55.7	87.1	38.8
333348	Zinc and zinc-base alloy refinery shapes	...do	0.1	0.1	0.5	0.3
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	(2)	(2)	(2)	(2)
999808	Aluminum and aluminum-base alloy	...do	(2)	(2)	7.0	2.7
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	2.6	1.4	1.2	0.6
332300	Steel	...do	34.7	5.6	2.1	0.5
336100	Aluminum and aluminum-base alloy	Million lbs	23.8	10.7	7.3	3.4
321101	Flat glass		(X)	40.7		
970099	All other materials and components, parts, containers, and supplies consumed		(X)	124.0	(X)	165.4
976000	Materials, etc., n.s.k.[4]		(X)	214.6	(X)	175.5
	INDUSTRY 3443.--FABRICATED PLATEWORK (BOILER SHOPS)					
	Materials, containers, parts, and supplies, total		(X)	1,163.7	(X)	755.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons	19.7	3.4	6.0	0.8
331010	Bars and bar shapes (except concrete reinforcing bars)	...do	89.6	15.1	67.2	11.4
331012	Sheet and strip	...do	449.7	69.6	377.3	56.6
331013	Plates	...do	1,652.8	248.7	1,500.8	215.8
331015	Structural shapes	...do	176.7	28.9	165.3	24.8
331017	Wire and wire products	...do	9.7	2.9	11.8	2.3
331019	All other carbon steel mill shapes and forms	...do	[1]292.5	[1]85.0	149.8	43.1
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	26.8	10.0	4.7	1.7
331029	All other alloy steel mill shapes and forms	...do	127.1	59.0	105.7	38.1
331031	Stainless steel	...do	38.9	46.6	22.8	33.0
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	2.9	3.3	0.5	0.3
335123	Plate, sheet, and strip, including military cups and discs	...do	6.9	5.6	4.9	3.9
335127	Pipe and tube	...do	(2)	(2)	16.0	8.7
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	26.1	12.2	18.7	10.4
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	4.2	2.3	2.0	1.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	(NA)	0.5	2.6	1.1
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	92.8	3.4	32.3	1.3
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	(2)	(2)	7.4	2.7
332300	Steel	...do	(NA)	23.6	8.9	5.8
336100	Aluminum and aluminum-base alloy	Million lbs	3.5	2.1	(NA)	0.3
321101	Flat glass		(X)	1.6	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed		(X)	303.9	(X)	217.0
976000	Materials, etc., n.s.k.[4]		(X)	236.0	(X)	75.6
	INDUSTRY 3444.--SHEET METALWORK					
	Materials, containers, parts, and supplies, total		(X)	794.9	(X)	562.4
	Mill shapes and forms (except casting):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons.	78.3	11.4	1.6	0.3
331010	Bars and bar shapes (except concrete reinforcing bars)	...do			36.6	6.5
331012	Sheet and strip	...do	1,398.8	245.1	1,077.9	185.0
331013	Plates	...do	53.0	8.4	84.0	11.9
331015	Structural shapes	...do	40.4	6.5	35.0	5.9
331017	Wire and wire products	...do	[5]54.2	[5]10.6	2.6	0.8
331019	All other carbon steel mill shapes and forms	...do			16.5	3.6

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3444.--SHEET METALWORK--Continued					
	Alloy steel (except stainless):					
331021	Bars and bar shapes	1,000 short tons.	28.6	20.7	1.0	0.3
331029	All other alloy steel mill shapes and forms	...do			28.5	6.1
331031	Stainless steel	...do			14.4	18.6
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(NA)	1.0	0.3	0.1
335123	Plate, sheet, and strip, including military cups and discs	...do	(NA)	4.0	13.2	6.8
335127	Pipe and tube	...do	(2)	(2)	1.9	0.8
	Aluminum and aluminum base-alloy:					
335202	Sheet, plate, and foil	...do	199.8	74.3	119.0	58.5
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	33.0	14.7	19.2	8.5
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			40.8	16.8
	Primary metals:					
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1,000 s. tons	(2)	(2)	1.2	0.6
333348	Zinc and zinc-base alloy refinery shapes	...do	(2)	(2)	2.9	0.7
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	(2)	(2)	(2)	(2)
999808	Aluminum and aluminum-base alloy	...do	(2)	(2)	(2)	(2)
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	(NA)	0.8	1.1	0.9
332300	Steel	...do	(NA)	11.5	0.7	0.2
336100	Aluminum and aluminum-base alloy	Million lbs	(NA)	4.1	0.5	0.4
321101	Flat glass	Million sq. feet.	(NA)	0.7	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	163.5	(X)	106.2
976000	Materials, etc., n.s.k.[4]	...	(X)	217.6	(X)	122.7
	INDUSTRY 3446.--ARCHITECTURAL METALWORK					
	Materials, containers, parts, and supplies, total	...	(X)	222.1	(X)	99.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons.	(6)	(6)	1.8	0.2
331010	Bars and bar shapes (except concrete reinforcing bars)	...do	66.8	11.9	44.4	7.8
331012	Sheet and strip	...do	512.9	68.0	79.2	12.6
331013	Plates	...do	(6)	(6)	19.1	3.0
331015	Structural shapes	...do	63.1	10.6	36.6	6.1
331017	Wire and wire products	...do	(6)	(6)	3.7	0.8
331019	All other carbon steel mill shapes and forms	...do	[6]96.5	[6]15.8	15.6	3.1
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	15.2	3.3	1.3	0.3
331029	All other alloy steel mill shapes and forms	...do			0.6	0.4
331031	Stainless steel	...do			0.7	0.8
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(NA)	4.5	0.7	1.7
335127	Pipe and tube	...do			0.4	0.3
335123	Plate, sheet, and strip, including military cups and discs	...do				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	(7)	(7)	5.2	2.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	37.0	16.2	17.5	7.7
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	[7]19.7	[7]9.7	2.0	1.3
	Primary metals:					
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1,000 short tons.	(2)	(2)	1.7	0.8
333348	Zinc and zinc-base alloy refinery shapes	...do	(2)	(2)	(2)	(2)
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	(2)	(2)	(2)	(2)
999808	Aluminum and aluminum-base alloy	...do	(2)	(2)	(2)	(2)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3446.--ARCHITECTURAL METALWORK--Continued					
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	(2)	(2)	2.1	0.7
332300	Steel	...do.	(2)	(2)	(NA)	0.4
336100	Aluminum and aluminum-base alloy	Million lbs.	(2)	(2)	1.7	0.8
321101	Flat glass	Million sq. feet.	(2)	(2)	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	39.3	(X)	27.0
976000	Materials, etc., n.s.k.[4]	...	(X)	42.8	(X)	21.3
	INDUSTRY 3449.--MISCELLANEOUS METALWORK					
	Materials, containers, parts, and supplies, total	...	(X)	551.4	(X)	360.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331009	Concrete reinforcing bars	1,000 short tons.	1,009.4	114.4	972.9	102.4
331010	Bars and bar shapes (except concrete reinforcing bars)	...do.	323.3	45.5	222.6	32.1
331012	Sheet and strip	...do.	645.3	115.6	430.7	72.7
331013	Plates	...do.	105.0	18.5	63.1	9.4
331015	Structural shapes	...do.	176.0	25.9	79.6	12.8
331017	Wire and wire products	...do.	58.3	10.3	60.8	9.3
331019	All other carbon steel mill shapes and forms	...do.			24.9	4.2
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.	6.6	2.8	3.3	0.7
331029	All other alloy steel mill shapes and forms	...do.			10.1	2.0
331031	Stainless steel	...do.			0.9	1.3
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	0.5	0.3		
335127	Pipe and tube	...do.	(NA)	0.3	(NA)	0.4
335123	Plate, sheet, and strip, including military cups and discs	...do.	(NA)	1.6		
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.	30.8	12.5	27.3	11.0
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.	21.2	10.2	18.2	8.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.			0.6	0.3
	Primary metals:					
333401	Aluminum and aluminum-base alloy refinery shapes (ingot, slugs, billet, etc.)	1,000 short tons.	(2)	(2)	-	-
333348	Zinc and zinc-base alloy refinery shapes	...do.			(2)	(2)
	Scrap (excluding home scrap):					
999811	Iron and steel	...do.	393.5	6.6	(2)	(2)
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do.	1.1	0.5	1.8	0.6
332300	Steel	...do.	(2)	(2)	(2)	(2)
336100	Aluminum and aluminum-base alloy	Million lbs.	(NA)	0.6	0.5	0.5
321101	Flat glass	...	(X)	1.2	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	100.9	(X)	49.4
976000	Materials, etc., n.s.k.[4]	...	(X)	83.7	(X)	43.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [C]From 10 to 30 percent of this figure was estimated. (Z) Less than $50 thousand.

[1]These figures are understated by $5 to $10 million because of apparent undercoverage of carbon steel pipe and tube.

[2]Included with material code 970099, "All other materials and components, etc.,"

[3]No data are available for the quantities of castings produced and consumed in the same establishment.

[4]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[5]These items are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[6]Data for material codes 331009, 331013, and 331017 are included with material code 331019, All other carbon steel mill shapes and forms

[7]Data for material code 335202 is included with material code 335209, All other aluminum mill shapes and forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Fabricated structural steel (SIC 3441)	Metal doors, sash, and trim (SIC 3442)	Fabricated platework (boiler shops) (SIC 3443)	Sheet metalwork (SIC 3444)
	Cost of purchased fuels and electric energy, total....	Million dollars.	23.2	11.7	25.8	12.6
	Cost of purchased fuels, total.....	...do.....	11.0	4.4	11.4	5.8
121005	Coal (anthracite, bituminous, and lignite):					
	Quantity.....	1,000 short tons	18.7	8.7	7.2	62.9
	Cost.....	Million dollars.	0.1	0.1	0.1	0.3
331212	Coke, screenings, and breeze:					
	Quantity.....	1,000 short tons	4.5	0.2	4.6	0.7
	Cost.....	Million dollars.	0.2	(Z)	0.2	(Z)
	Fuel oil, total:					
	Quantity.....	1,000 barrels...	213.5	70.1	526.1	98.8
	Cost.....	Million dollars.	1.0	0.3	1.5	0.5
291141	Distillate:					
	Quantity.....	1,000 barrels....	187.7	61.6	328.0	74.1
	Cost.....	Million dollars.	0.9	0.3	1.0	0.4
291151	Residual:					
	Quantity.....	1,000 barrels...	25.8	8.5	198.1	24.7
	Cost.....	Million dollars.	0.1	(Z)	0.5	0.1
131300	Gas (natural, manufactured mixed, blast furnace, coke-oven, and other gas):					
	Quantity.....	Million cu. ft..	6,567.3	3,958.2	10,195.2	3,775.2
	Cost.....	Million dollars.	3.0	1.9	5.0	2.4
960011 960013	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.9	0.2	0.7	0.3
	Fuels, n.s.k.....	...do.....	5.8	1.9	3.9	2.5
	Purchased electric energy:					
	Quantity.....	Million kw.-hrs.	863.3	483.9	1,019.1	456.4
	Cost.....	Million dollars.	12.1	7.3	14.4	6.8
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	-	1.4	2.3	2.8
	Total energy used for heat and power[1].....	Million kw.-hrs.	6,109.7	2,861.8	6,828.6	3,504.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3441	FABRICATED STRUCTURAL STEEL										
	ENTIRE INDUSTRY	1 960	107.5	773.6	80.1	163.6	509.9	1 319.3	1 624.6	2 967.8	76.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 727	84.2	600.3	63.6	128.4	401.7	1 036.5	1 266.8	2 313.0	58.2
34411	FABRICATED STRUCTURAL METAL FOR BUILDINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	981	67.6	501.1	48.9	101.0	317.7	847.5	1 070.7	1 943.2	49.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	710	34.0	255.9	25.2	51.8	164.4	446.6	533.5	973.1	26.2
34412	FABRICATED STRUCTURAL METAL FOR BRIDGES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	61	8.9	61.5	6.7	13.9	41.5	109.5	140.4	253.5	5.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	27	2.7	18.7	2.0	4.0	12.6	36.0	42.4	80.0	1.8
34413	OTHER FABRICATED STRUCTURAL METAL										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	228	18.1	124.5	14.5	29.0	90.6	214.3	256.7	467.8	12.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	162	11.2	77.4	8.9	17.9	56.4	134.9	164.8	296.5	7.1
3442	METAL DOORS, SASH, AND TRIM										
	ENTIRE INDUSTRY	1 646	63.9	378.5	47.9	94.8	235.7	651.1	764.6	1 413.6	24.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 545	54.4	313.7	41.3	81.7	198.2	544.8	652.3	1 195.9	19.9
34421	METAL DOORS AND FRAMES (EXCEPT STORM DOORS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	197	15.4	103.2	11.1	22.1	64.3	178.2	157.9	336.4	5.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	156	10.7	68.6	7.8	15.3	43.5	123.2	99.0	221.2	4.1
34422	METAL WINDOW SASH AND FRAMES (EXCEPT STORM SASH)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	213	15.5	89.1	11.4	22.4	54.0	143.6	172.7	317.0	6.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	133	7.7	40.9	5.7	11.3	23.8	68.8	85.9	156.4	3.1
34423	METAL MOLDING AND TRIM AND STORE FRONTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	43	5.7	35.6	4.4	9.3	23.8	62.3	85.0	147.6	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	3.6	21.9	2.9	6.3	16.0	44.6	58.4	102.5	1.7
34424	METAL COMB. SCREEN AND STORM SASH AND DOORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	200	10.3	55.5	7.8	15.4	33.5	95.7	149.0	241.7	4.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	149	7.3	38.1	5.6	11.1	23.7	60.0	91.5	150.7	2.3
34425	MET. WINDOW, DOOR SCREENS(EXC. COMB.), WEATHERSTP										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	54	3.1	17.0	2.5	4.8	11.5	32.5	33.5	65.6	1.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	33	1.8	9.0	1.5	2.7	6.4	16.8	20.8	37.3	.8
3443	FABRICATED PLATEWORK (BOILER SHOPS)										
	ENTIRE INDUSTRY	1 465	96.4	700.4	73.1	150.4	477.5	1 393.4	1 303.9	2 688.5	81.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 306	77.1	556.4	59.6	123.0	386.8	1 064.9	1 056.4	2 120.2	68.7
34431	HEAT EXCHANGERS AND STEAM CONDENSERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	74	11.9	90.4	8.3	16.9	56.7	177.5	160.3	335.5	11.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	55	7.3	56.9	5.1	10.6	36.0	113.4	111.1	224.5	8.3
34432	FABRICATED STEEL PLATE, INCL. STACKS, WELDMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	292	17.5	129.9	13.6	27.6	89.6	218.2	241.9	465.8	11.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	193	10.2	78.1	8.1	16.8	55.6	135.9	137.2	274.3	6.3
34433	STEEL POWER BOILERS, PARTS, ATTACH., OVER 15 PSI										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	43	20.3	149.1	14.6	30.0	101.9	347.8	304.9	639.2	24.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	18.0	134.3	12.8	26.4	90.4	231.2	274.0	493.0	23.1
34434	GAS CYLINDERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	15	3.1	22.2	2.5	5.1	16.2	38.3	39.4	77.2	2.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34435	METAL TANKS, FACTORY COMPLETE, STANDARD, PRESSURE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	49	3.9	27.5	3.1	7.1	20.4	64.2	66.2	130.2	2.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	32	1.5	10.7	1.2	2.5	7.1	19.2	31.0	51.0	.7
34437	METAL TANKS, FACTORY COMPLETE, STANDARD, NONPRES.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	179	6.5	43.5	5.0	10.2	29.3	74.1	85.1	158.3	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	122	3.7	24.4	2.9	6.1	17.0	43.7	51.6	94.9	1.6
34438	METAL TANKS, VESSELS, CUSTOM FAB. AT FACTORY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	156	17.7	129.7	13.7	28.9	90.0	266.2	229.9	499.4	17.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	89	8.6	63.7	6.7	14.1	44.2	129.2	106.7	240.8	7.0
34439	METAL TANKS, VESSELS, CUSTOM FAB., FIELD ERECTED										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	66	5.0	36.5	3.9	8.5	25.8	77.6	74.6	151.9	3.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	29	2.4	17.5	1.9	4.1	12.4	31.2	38.9	71.0	2.1
3444	SHEET METALWORK										
	ENTIRE INDUSTRY	3 054	68.1	490.7	52.9	105.8	336.0	889.3	927.5	1 812.4	44.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	2 886	55.0	396.3	43.5	86.4	273.9	718.0	679.2	1 394.4	31.6
34441	SHEET METAL ROOFING, SIDING, ROOF DRAINAGE EQUIP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	109	8.5	63.6	5.5	11.1	34.8	135.5	259.1	391.4	14.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	76	4.5	33.7	2.9	5.7	16.9	80.3	131.6	210.6	6.6
34442	CULVERTS, FLUMES, IRRIGATION PIPES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	119	3.7	26.5	2.8	5.6	16.7	60.0	122.2	183.6	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	111	2.9	20.3	2.2	4.4	12.6	48.6	91.4	141.5	2.6
34443	OTHER SHEET METALWORK										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	707	33.5	250.6	25.9	53.0	175.7	438.1	359.9	797.8	15.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	572	24.6	188.5	19.4	39.6	133.9	324.6	244.3	567.6	11.4

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3446	ARCHITECTURAL METALWORK										
	ENTIRE INDUSTRY	1 377	19.3	123.0	15.4	29.5	81.5	232.6	254.6	484.9	7.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 311	15.2	92.7	12.3	23.4	61.6	183.6	151.2	332.0	5.4
3449	MISCELLANEOUS METALWORK										
	ENTIRE INDUSTRY	649	32.7	220.7	23.2	47.4	137.4	448.6	637.2	1 082.0	23.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	591	25.6	169.5	18.1	36.8	104.2	357.9	515.0	865.9	18.6
34492	PREFAB., PORTABLE METAL BUILDINGS AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	103	12.2	84.7	8.9	18.1	54.9	179.2	221.9	401.5	10.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	84	8.9	59.6	6.6	13.2	39.3	131.7	172.0	302.8	8.2
34493	MISC. METAL BUILDING MATERIALS AND CURTAIN WALL										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	152	14.7	102.5	9.9	20.6	60.5	203.8	349.3	550.0	9.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	123	10.9	75.5	7.2	14.8	42.5	155.0	272.2	422.2	7.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations."

SCREW MACHINE PRODUCTS, FASTENERS AND WASHERS; METAL STAMPINGS; AND METAL SERVICES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3451--Screw Machine Products
3452--Bolts, Nuts, Screws, Rivets, and Washers
3461--Metal Stampings
3471--Electroplating, Plating, Polishing, Anodizing, and Coloring
3479--Coating, Engraving, Allied Services, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3451--SCREW MACHINE PRODUCTS

This industry comprises establishments primarily engaged in manufacturing automatic or hand screw machine products from rod, bar, or tube stock of metal, fiber, plastics or other materials. The products of this industry consist of a wide variety of unassembled parts and are usually manufactured on a job or order basis. Establishments primarily engaged in manufacturing standard bolts, nuts, rivets, screws and other industrial fasteners on headers, threaders and nut forming machines are classified in industry 3452. For a detailed list of products of industry 3451, refer to table 6A, product codes 3451012 to 3451098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Screw Machine Products Industry in 1967 totaled $1,022 million. This included shipments of screw machine products (primary products), valued at $934 million, shipments of other products (secondary products) valued at $41 million, and miscellaneous receipts of $47 million.

This industry's shipments of screw machine products (primary products) in 1967 represented 96 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 97 percent.

Industry 3451 shipments of screw machine products (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $1,036 million shipped by all industries. In 1963, the coverage ratio was also 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments,

key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3451, these establishments accounted for approximately 2 percent of payroll and 3 percent of value added by manufacture.

3452--BOLTS, NUTS, SCREWS, RIVETS, AND WASHERS

This industry comprises establishments primarily engaged in manufacturing bolts, nuts, screws, rivets, washers, formed and threaded wire goods, and special industrial fasteners. Rolling mills engaged in manufacturing similar products are classified in Major Group 33, and establishments primarily engaged in manufacturing screw machine products in industry 3451. For a detailed list of products of industry 3452, refer to table 6A, product codes 3452101 to 3452398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Bolts, Nuts, Rivets, and Washers Industry in 1967 totaled $1,644 million. This included shipments of bolts, nuts, rivets, and washers (primary products), valued at $1,450 million, shipments of other products (secondary products) valued at $97 million, and miscellaneous receipts (mainly resales) of $97 million.

This industry's shipments of bolts, nuts, rivets, and washers (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 63 percent of the total industry shipments are represented by plants specializing in product class 34521 Bolts, nuts, and other standard industrial fasteners; and 25 percent in 34522, Special industrial fasteners.

Industry 3452 shipments of bolts, nuts, rivets, and washers (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $1,613 million shipped by all industries. In 1963, the coverage ratio was 90 percent. Other industries shipping bolts, nuts, rivets, and washers (primary products) included industry 3312, Blast Furnaces and Steel Mills, $75 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3452, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3461--METAL STAMPINGS

This industry comprises establishments primarily engaged in manufacturing metal stampings by the use of tools, dies, jigs, and fixtures to punch, draw, form or otherwise modify materials under pressure in a machine (primarily punch and draw presses). For a detailed list of products of industry 3461, refer to table 6A, product codes 3461113 to 3461898.

The code number as well as the definition of this industry was unchanged between 1967 and 1963. However, significant revisions have been made to 1963 data to include automotive stamping plants operated by automobile producing companies.

Value of shipments and other receipts of the Metal Stampings Industry in 1967 totaled $5,894 million. This included shipments of metal stampings (primary products), valued at $5,052 million, shipments of other products (secondary products) valued at $632 million, and miscellaneous receipts of $210 million.

This industry's shipments of metal stampings (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). Secondary products shipped by this industry in 1967 consisted mainly of special dies, tools, jigs, and fixtures (SIC 3544) ($241 million), and electric housewares and fans (SIC 3534) ($38 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 56 percent of the total industry shipments are represented by plants specializing in product class 34613, Job stampings, automotive; and 19 percent in 34612, Job stampings, except automotive.

Industry 3461 shipments of metal stampings (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $5,525 million shipped by all industries. Other industries shipping (primary products) consisted mainly of industry 3711, Motor Vehicles, $135 million; and industry 3312, Blast Furnaces And Steel Mills, $27 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3461, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3471--ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

The Electroplating, Plating, Polishing, Anodizing, and Coloring Industry includes establishments primarily engaged in all types of electroplating, plating, anodizing, coloring, and finishing of metals and formed products for the trade. Most of the work done in this industry is done on materials owned by others. For a detailed list of products of industry 3471, refer to table 6A, product code 3471011.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Plating and Polishing Industry in 1967 totaled $791 million. This includes shipments of plating and polishing (primary products), valued at $756 million, shipments of other products (secondary products) valued at $27 million, and miscellaneous receipts (mainly resales) of $8 million.

Secondary products shipped by this industry in 1967 included primary metal products, n.e.c. (SIC 3399) ($11 million).

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3471, these establishments accounted for approximately 6 percent of payroll and 7 percent of value added by manufacture.

3479--COATING, ENGRAVING, ALLIED SERVICES, NOT ELSEWHERE CLASSIFIED

The Coating, Engraving, and Allied Services, Not Elsewhere Classified, Industry includes establishments primarily engaged in performing the following types of services on metals: (1) enameling, lacquering, and varnishing metal products for the trade; (2) hot dip galvanizing of mill sheets, plates and bars, castings, and formed products fabricated of iron and steel; in hot dip coating such items with aluminum, lead, or zinc; in retinning cans and utensils; (3) in engraving, chasing, and etching jewelry, silverware, notarial and other seals, and other metal products for the trade and for job contracting for purposes other than printing; (4) and other metal services, not elsewhere classified. Establishments primarily engaged in electroplating, plating, polishing, anodizing, coloring, and finishing of metals and formed products for the trade are classified in industry 3471; and those producing porcelain enameled products in industry 3461. For a detailed list of products of industry 3479, refer to table 6A, product codes 3479013 to 3479081.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Coating and Allied Services Industry in 1967 totaled $471 million. This included shipments of metal coating and allied services (primary products), valued at $404 million, shipments of other products (secondary products) valued at $58 million, and miscellaneous receipts (mainly resales) of $9 million.

Secondary products shipped by this industry in 1967 included primary metal products, n.e.c. (SIC 3399) ($12 million), and miscellaneous plastics products (SIC 3079) ($5 million).

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3479, these establishments accounted for approximately 5 percent of payroll and 6 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3451.--SCREW MACHINE PRODUCTS														
1967 Census....	1,874	681	49.0	349.1	41.5	88.2	258.5	641.5	386.2	1,021.5	49.7	93.6	96	90
1966 ASM[1].....	(NA)	(NA)	46.1	309.0	39.2	85.1	234.9	555.4	391.9	949.0	38.6	117.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	40.1	251.4	33.4	73.0	189.9	425.4	308.1	734.1	23.8	73.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	36.3	226.0	30.2	65.8	170.8	367.3	267.6	636.4	*20.2	61.8	(NA)	(NA)
1963 Census....	1,874	516	36.9	213.2	30.8	64.3	160.0	359.0	232.9	589.0	18.7	58.8	97	90
1962 ASM[1].....	(NA)	(NA)	36.5	192.1	30.0	58.9	140.2	312.4	210.6	518.3	*12.6	51.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	32.1	164.4	26.3	50.8	116.6	268.8	186.7	458.0	*8.8	50.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	35.5	177.1	29.2	58.7	129.9	300.7	204.2	502.8	(S)	55.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	34.2	169.2	28.9	58.1	129.4	301.3	221.7	519.1	(S)	54.6	(NA)	(NA)
1958 Census[2]...	1,792	419	31.8	154.9	25.9	51.9	114.0	250.0	175.1	425.1	11.2	48.7	94	87
INDUSTRY 3452.--BOLTS, NUTS, RIVETS, AND WASHERS														
1967 Census....	662	392	67.2	498.1	52.2	108.5	347.2	979.4	690.1	1,643.9	70.7	320.8	94	90
1966 ASM[1].....	(NA)	(NA)	62.5	463.5	47.6	104.9	319.7	963.2	724.4	1,661.8	70.6	297.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	62.3	432.3	48.0	103.6	304.0	846.2	647.7	1,480.1	54.6	264.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	59.7	400.8	45.5	97.3	279.5	763.3	592.8	1,344.2	37.4	240.1	(NA)	(NA)
1963 Census....	573	323	57.6	371.0	44.0	92.5	257.5	695.3	527.9	1,218.2	31.4	222.2	92	90
1962 ASM[1].....	(NA)	(NA)	57.4	360.6	43.5	91.7	241.1	649.1	514.7	1,158.0	31.0	219.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	55.0	324.1	41.5	83.6	214.8	561.2	445.4	1,005.5	21.2	214.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	58.5	331.4	44.3	88.8	221.8	595.9	465.3	1,044.8	29.3	218.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	58.8	339.0	45.1	94.9	231.7	636.0	487.3	1,112.9	*33.2	204.9	(NA)	(NA)
1958 Census[2]...	525	283	53.3	286.0	40.2	80.6	191.9	504.7	370.6	880.3	43.7	188.1	91	87
INDUSTRY 3461.--METAL STAMPINGS (Including automotive stamping plants operated by automobile producing companies)[3]														
1967 Census....	2,710	1,351	225.9	1,685.5	187.0	379.8	1,272.4	3,030.8	2,874.7	5,893.7	195.8	705.3	89	91
1966 ASM[1].....	(NA)	(NA)	226.1	1,645.3	190.2	396.1	1,220.2	3,034.6	3,041.4	5,982.6	263.8	732.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	208.4	1,492.2	172.8	368.5	1,145.0	2,850.5	2,854.1	5,679.0	304.8	680.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	191.3	1,325.0	159.4	339.3	1,013.4	2,540.4	2,462.7	4,908.2	240.0	623.0	(NA)	(NA)
1963 Census....	2,590	1,132	182.2	1,224.8	150.2	316.5	909.6	2,280.7	2,260.3	4,526.2	105.1	512.9	88	92
INDUSTRY 3461.--METAL STAMPINGS (Excluding automotive stamping plants operated by automobile producing companies)[3]														
1966 ASM[1].....	(NA)	(NA)	164.1	1,058.1	137.3	281.4	787.9	1,903.6	1,883.2	3,755.8	140.1	501.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	148.4	924.1	122.0	252.7	680.6	1,673.1	1,650.2	3,287.8	132.3	462.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	138.2	836.7	114.6	235.8	615.3	1,444.4	1,480.0	2,905.1	155.7	395.4	(NA)	(NA)
1963 Census....	2,574	1,116	132.2	772.6	108.3	222.0	567.3	1,369.0	1,324.9	2,679.0	64.2	360.8	84	86
1962 ASM[1].....	(NA)	(NA)	132.8	754.9	107.8	224.8	546.9	1,310.4	1,305.6	2,605.8	68.7	317.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	125.3	684.1	100.6	207.3	486.1	1,181.2	1,160.1	2,338.0	48.4	296.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	134.3	729.0	108.0	225.6	521.1	1,220.4	1,230.0	2,450.8	56.5	301.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	135.3	727.8	109.7	227.3	524.3	1,240.5	1,269.1	2,499.0	*80.9	323.4	(NA)	(NA)
1958 Census[2]...	2,454	1,039	125.3	644.2	99.8	199.7	457.3	1,045.2	1,039.4	2,095.4	50.4	315.0	86	87
INDUSTRY 3471.--PLATING AND POLISHING														
1967 Census....	[4]3,241	855	55.1	323.2	46.8	92.5	239.1	574.8	218.1	791.1	33.1	36.9	(5)	(5)
1966 ASM[1].....	(NA)	(NA)	51.1	296.2	43.4	91.4	219.5	509.9	199.5	719.8	40.2	33.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	48.0	261.9	40.5	83.3	193.7	444.6	173.2	630.9	26.8	26.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	45.4	239.1	37.8	75.6	177.5	395.4	165.8	559.6	*24.1	24.4	(NA)	(NA)
1963 Census....	3,023	677	45.0	223.5	37.7	74.8	169.6	370.2	148.3	517.6	20.0	22.1	(5)	(5)
1962 ASM[1].....	(NA)	(NA)	49.2	231.5	41.6	80.4	182.0	401.2	147.9	549.1	25.5	20.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	43.9	200.5	37.1	71.6	161.3	330.9	128.3	458.7	*16.2	20.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	44.2	200.0	38.1	72.6	161.5	337.0	128.3	465.1	19.1	20.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	43.3	189.5	37.2	72.0	142.3	325.8	127.3	451.3	15.2	21.3	(NA)	(NA)
1958 Census[2]...	2,646	542	36.5	156.3	30.5	59.1	117.7	253.8	106.1	359.1	15.9	23.5	(5)	(5)
INDUSTRY 3479.--METAL COATING AND ALLIED SERVICES														
1967 Census....	[4]1,443	349	26.2	158.2	22.2	44.9	116.9	289.6	185.4	471.3	22.0	36.7	(5)	(5)
1966 ASM[1].....	(NA)	(NA)	25.2	145.0	21.1	42.3	103.8	270.6	201.1	469.1	17.9	37.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	21.1	119.5	17.8	35.4	86.0	214.6	185.2	399.2	13.0	34.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	22.0	118.5	18.3	37.9	87.1	223.5	141.6	361.1	*10.4	27.3	(NA)	(NA)
1963 Census....	1,258	276	20.7	107.1	17.1	35.0	79.1	184.5	137.2	322.1	8.7	27.4	)	(5)
1962 ASM[1].....	(NA)	(NA)	20.1	95.6	16.3	32.7	67.4	166.3	132.1	295.4	*10.6	25.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.5	85.2	15.5	31.3	61.4	143.8	96.5	241.1	*8.5	20.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	18.9	83.4	15.8	33.5	60.8	148.4	108.4	254.8	6.5	20.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	18.4	79.9	15.4	31.2	59.2	137.4	106.0	244.9	6.2	21.4	(NA)	(NA)
1958 Census[2]...	1,003	192	15.7	68.0	12.9	25.2	50.0	108.4	88.8	196.4	4.7	21.4	(5)	(5)

Note: In 1967, 1963, and 1958, the number of companies in industry 3451 was 1,847, 1,861, and 1,785, respectively; in industry 3452: 577, 504, and 468; industry 3461: 2,564, 2,491, and 2,372; industry 3471: 3,170, 2,968, and 2,614; industry 3479: 1,393, 1,227, and 986. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Footnotes continued on next page.

TABLE 1A. General Statistics: 1958 to 1967—Continued

Footnotes for Table 1A--34D

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing digures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (AMS). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume. [2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry. [3]Data for 1963 to 1966 have been revised by the inclusion of automotive stampings plants operated by automobile producing companies. Prior to this revison, most of these plants were classified in the automotive industry. The data shown excluding such plants for the years 1958 to 1966 are as previously published for this industry. The area data for prior years have not been revised on a basis comparable to 1967. [4]Some small establishments in this industry may have been misclassified as to industry. This does not significantly affect the statistics other than the number of establishments (See section of text on scope and coverage for further explanation). [5]Relationships are not meaningful because of the predominance of miscellaneous receipts, particularly receipts for contract and commission work on materials owned by others.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3451.--SCREW MACHINE PRODUCTS								
1967 Census	7,124	85	2,125	2.93	.38	.72	13,092	54	7.27
1966 ASM	6,699	85	2,172	2.76	.41	.74	12,040	56	6.52
1965 ASM	6,269	83	2,186	2,60	.42	.76	10,608	59	5.83
1964 ASM	6,231	83	2,176	2.60	.42	.78	10,130	62	5.58
1963 Census	5,776	83	2,087	2.49	.40	.76	9,726	59	5.59
1962 ASM	5,260	82	1,965	2.38	.41	.78	8,556	61	5.31
1961 ASM	5,122	82	1,932	2.29	.41	.77	8,377	61	5.29
1960 ASM	4,983	82	2,007	2.21	.41	.76	8,459	59	5.13
1959 ASM	4,955	85	2,008	2.23	.43	.75	8,821	56	5.19
1958 Census	4,866	81	2,005	2.20	.41	.78	7,852	62	4.82
	INDUSTRY 3452.--BOLTS, NUTS, RIVETS, AND WASHERS								
1967 Census	7,412	78	2,078	3.20	.42	.72	14,574	51	9.03
1966 ASM	7,416	76	2,204	3.05	.44	.71	15,410	48	9.18
1965 ASM	6,935	77	2,158	2.93	.44	.73	13,573	51	8.17
1964 ASM	6,711	76	2,140	2.87	.44	.74	12,780	53	7.84
1963 Census	6,439	76	2,104	2.78	.43	.74	12,067	53	7.52
1962 ASM	6,281	76	2,107	2.63	.44	.76	11,304	56	7.08
1961 ASM	5,889	75	2,017	2.57	.44	.77	10,199	58	6.71
1960 ASM	5,663	76	2,002	2.50	.45	.76	10,182	56	6.71
1959 ASM	5,765	77	2,105	2.44	.44	.74	10,817	53	6.70
1958 Census	5,370	75	2,004	2.38	.42	.75	9,475	57	6.26
	INDUSTRY 3461.--METAL STAMPINGS (Including automotive stamping plants operated by automobile producing companies)[1]								
1967 Census	7,461	83	2,031	3.35	.49	.77	13,417	56	7.98
1966 ASM	7,277	84	2,083	3.08	.51	.78	13,421	54	7.66
1965 ASM	7,160	83	2,133	3.11	.50	.77	13,678	52	7.74
1964 ASM	6,926	83	2,129	2.99	.50	.79	13,280	52	7.49
1963 Census	6,722	82	2,107	2.87	.50	.77	12,518	54	7.21
	INDUSTRY 3471.--PLATING AND POLISHING								
1967 Census	5,866	85	1,976	2.58	.28	.68	10,432	56	6.21
1966 ASM	5,794	85	2,104	2.40	.28	.69	9,975	58	5.58
1965 ASM	5,460	84	2,058	2.33	.27	.69	9,269	59	5.34
1964 ASM	5,270	83	2,001	2.35	.30	.72	8,715	60	5.23
1963 Census	4,971	84	1,984	2.27	.29	.72	8,234	60	4.95
1962 ASM	4,700	85	1,931	2.26	.27	.69	8,147	58	4.99
1961 ASM	4,567	84	1,933	2.25	.28	.72	7,539	61	4.62
1960 ASM	4,521	86	1,903	2.22	.28	.71	7,619	59	4.64
1959 ASM	4,376	86	1,938	1.98	.28	.70	7,522	58	4.52
1958 Census	4,285	84	1,934	1.99	.30	.73	6,959	62	4.30
	INDUSTRY 3479.--METAL COATING AND ALLIED SERVICES								
1967 Census	6,038	85	2,023	2.60	.39	.73	11,053	55	6.45
1966 ASM	5,755	84	2,001	2.45	.43	.74	10,739	54	6.39
1965 ASM	5,657	84	1,991	2.43	.46	.76	10,160	56	6.06
1964 ASM	5,397	83	2,073	2.30	.39	.72	10,177	53	5.89
1963 Census	5,182	83	2,045	2.26	.43	.76	8,929	58	5.27
1962 ASM	4,760	81	2,005	2.06	.45	.77	8,283	57	5.09
1961 ASM	4,607	84	2,011	1.96	.40	.75	7,775	59	4.60
1960 ASM	4,415	83	2,124	1.82	.43	.75	7,853	56	4.43
1959 ASM	4,350	84	2,022	1.90	.43	.76	7,486	58	4.41
1958 Census	4,340	82	1,955	1.98	.45	.80	6,912	63	4.30

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Data for 1963 to 1966 include automotive stamping plants operated by automobile producing companies. Prior to this inclusion most of these plants were classified in the automotive industry. The data for 1962 and earlier years are not comparable to 1967.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3451-- SCREW MACHINE PRODUCTS													
UNITED STATES	1 874	681	49.0	349.1	41.5	88.2	258.5	641.5	386.2	1 021.5	49.7	36.9	359.0
NORTHEAST REGION	663	224	15.4	101.8	13.0	27.3	74.9	188.6	100.8	287.7	16.9	12.2	108.0
NEW ENGLAND DIVISION	315	96	7.7	50.8	6.5	13.7	36.7	89.5	44.3	132.8	7.9	6.1	51.2
MASSACHUSETTS	89	33	2.7	17.0	2.3	4.8	12.7	30.3	14.4	44.4	2.8	2.1	16.7
RHODE ISLAND	42	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	179	55	4.4	30.0	3.7	7.9	21.3	52.5	26.1	77.9	4.3	3.4	29.6
MIDDLE ATLANTIC DIVISION	348	128	7.7	51.0	6.5	13.6	38.2	99.1	56.5	155.0	9.0	6.1	56.8
NEW YORK	164	65	3.6	24.3	3.1	6.7	18.1	46.0	30.1	75.6	3.6	3.1	28.3
NEW JERSEY	107	31	2.1	14.9	1.8	3.7	11.0	29.9	14.0	43.4	2.8	1.8	18.6
PENNSYLVANIA	77	32	1.9	11.8	1.7	3.2	9.0	23.2	12.5	35.9	2.6	1.2	9.9
NORTH CENTRAL REGION	924	367	27.2	200.5	23.1	49.4	149.7	366.2	239.8	603.1	25.5	20.8	207.7
EAST NORTH CENTRAL DIVISION	846	329	24.4	180.5	20.8	44.6	135.1	330.9	219.1	547.1	22.8	19.1	191.8
OHIO	185	80	6.2	43.4	5.2	11.0	33.0	74.1	47.3	121.3	6.2	5.0	45.9
INDIANA	70	32	2.9	19.9	2.5	5.4	15.3	38.7	23.1	61.8	1.9	1.7	17.2
ILLINOIS	254	81	7.2	55.3	6.1	12.9	40.6	98.7	58.9	156.1	7.5	5.8	52.7
MICHIGAN	277	112	6.8	52.5	5.8	13.0	39.4	102.1	79.7	180.8	5.8	5.6	66.1
WISCONSIN	60	24	1.3	9.5	1.1	2.3	6.9	17.3	10.1	27.1	1.4	1.0	9.8
WEST NORTH CENTRAL DIVISION	78	38	2.8	19.9	2.3	4.9	14.5	35.2	20.6	56.0	2.8	1.7	15.9
MINNESOTA	25	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.4
IOWA	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
MISSOURI	37	19	1.3	9.2	1.0	2.1	6.3	16.3	8.4	24.7	(D)	.8	7.9
SOUTH REGION	63	25	1.6	9.7	1.4	2.8	6.8	18.4	12.5	31.0	1.8	1.0	10.2
SOUTH ATLANTIC DIVISION	35	9	.9	4.9	.7	1.4	3.4	8.5	7.0	15.6	.9	.4	5.0
MARYLAND	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
NORTH CAROLINA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
FLORIDA	18	4	.3	1.7	.3	.5	1.1	3.3	2.0	5.2	.3	[2](D)	(D)
EAST SOUTH CENTRAL DIVISION	9	5	.3	1.7	.2	.5	1.1	3.7	1.9	5.6	.5	.2	1.7
WEST SOUTH CENTRAL DIVISION	19	11	.5	3.1	.4	.9	2.3	6.2	3.6	9.8	.4	.4	3.5
TEXAS	15	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
WEST REGION	224	65	4.9	37.1	4.0	8.6	27.2	68.3	33.1	99.6	5.4	3.1	33.2
MOUNTAIN DIVISION	12	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	212	60	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	200	55	4.4	34.5	3.7	7.9	25.1	63.9	30.7	92.8	(D)	2.8	30.5
3452-- BOLTS, NUTS, RIVETS, AND WASHERS													
UNITED STATES	662	392	67.2	498.1	52.2	108.5	347.2	979.4	690.1	1 643.9	70.7	57.6	695.3
NORTHEAST REGION	226	121	23.1	166.8	17.3	35.5	114.7	316.9	194.8	505.1	25.6	20.5	232.2
NEW ENGLAND DIVISION	96	52	9.2	63.4	6.7	14.6	41.6	123.1	70.9	190.9	8.2	8.4	88.9
NEW HAMPSHIRE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)
MASSACHUSETTS	27	15	4.1	28.9	3.1	6.8	19.1	50.2	28.8	77.5	2.0	4.4	42.0
RHODE ISLAND	13	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	52	26	3.8	26.7	2.7	5.6	17.1	59.0	31.8	89.4	5.7	2.9	36.6
MIDDLE ATLANTIC DIVISION	130	69	14.0	103.3	10.6	20.9	73.1	193.8	123.9	314.2	17.4	12.1	143.3
NEW YORK	47	21	3.4	24.1	2.5	5.3	16.4	49.8	35.6	85.1	3.5	3.0	36.1
NEW JERSEY	30	20	3.5	29.3	2.6	5.4	19.8	55.7	31.1	85.3	5.1	3.2	44.8
PENNSYLVANIA	53	28	7.0	49.9	5.6	10.3	36.9	88.3	57.2	143.8	8.9	5.9	62.5
NORTH CENTRAL REGION	303	194	31.6	243.5	24.8	52.4	170.3	474.6	379.8	840.5	32.5	29.1	363.7
EAST NORTH CENTRAL DIVISION	287	185	31.0	239.1	24.3	51.4	167.3	465.8	369.5	821.8	31.9	28.6	357.8
OHIO	78	55	11.0	84.4	8.7	17.9	58.6	157.9	135.6	288.6	8.7	9.6	110.5
INDIANA	16	9	1.1	7.7	.8	1.6	5.2	13.6	15.2	28.4	1.1	1.1	14.0
ILLINOIS	105	65	12.7	96.6	10.1	21.7	68.8	191.9	123.6	310.4	13.8	12.6	160.7
MICHIGAN	75	49	5.3	43.7	4.1	8.7	30.3	89.4	85.5	171.8	7.8	4.6	64.3
WISCONSIN	13	7	.9	6.7	.7	1.4	4.4	13.0	9.7	22.6	.5	.7	8.4
WEST NORTH CENTRAL DIVISION[e]	16	9	.7	4.5	.5	1.0	3.0	8.8	10.2	18.8	.6	.5	5.9
MINNESOTA[e]	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	7	4	.3	1.8	.2	.4	1.1	3.3	3.6	6.6	.4	.2	2.8
SOUTH REGION	57	29	4.6	25.2	3.9	7.4	18.5	54.9	46.1	99.9	3.9	3.2	36.4
SOUTH ATLANTIC DIVISION	18	9	1.9	10.3	1.6	3.1	7.5	28.1	18.0	45.5	1.2	1.5	21.3
MARYLAND	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	6	3	.3	1.6	.3	.5	1.3	3.5	4.8	8.2	.4	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	18	10	1.9	10.7	1.6	3.2	8.1	18.7	18.7	36.5	2.1	1.1	11.0
KENTUCKY	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3452-- BOLTS, NUTS, RIVETS, AND WASHERS--CONTINUED													
SOUTH REGION--CONTINUED													
WEST SOUTH CENTRAL DIVISION	21	10	.8	4.2	.7	1.2	2.9	8.1	9.4	17.8	.6	.6	4.1
OKLAHOMA	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	17	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	76	48	7.8	62.6	6.1	13.2	43.6	133.1	69.4	198.3	8.7	4.8	63.0
PACIFIC DIVISION	74	48	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	70	45	7.7	61.8	6.0	13.0	43.1	131.8	67.9	195.4	(D)	4.7	62.1
3461-- METAL STAMPINGS													
UNITED STATES	2 710	1 351	225.9	1 685.5	187.0	379.8	1 272.4	3 030.8	2 874.7	5 893.7	195.8	(NA)	(NA)
NORTHEAST REGION	871	384	53.8	388.2	43.7	89.2	284.5	648.1	552.5	1 203.0	44.8	(NA)	(NA)
NEW ENGLAND DIVISION	269	127	13.4	86.7	10.9	22.5	61.8	146.8	123.5	267.8	10.3	(NA)	(NA)
MASSACHUSETTS	112	57	4.6	28.6	3.7	7.6	20.0	47.8	28.7	76.1	2.7	(NA)	(NA)
RHODE ISLAND	32	14	.9	5.0	.7	1.4	3.8	11.0	7.5	18.6	.6	(NA)	(NA)
CONNECTICUT [e]	115	53	7.8	52.4	6.3	13.2	37.4	86.6	86.3	170.8	6.8	(NA)	(NA)
MIDDLE ATLANTIC DIVISION	602	257	40.4	301.4	32.8	66.7	222.7	501.3	428.9	935.2	34.5	(NA)	(NA)
NEW YORK	318	123	17.2	120.7	14.1	28.4	88.7	210.9	170.7	380.0	9.6	(NA)	(NA)
NEW JERSEY	167	71	7.0	48.9	5.7	11.6	34.3	87.1	67.9	154.4	5.1	(NA)	(NA)
PENNSYLVANIA	117	63	16.1	131.8	12.9	26.7	99.7	203.3	190.3	400.8	19.9	(NA)	(NA)
NORTH CENTRAL REGION	1 337	768	150.3	1 165.8	124.7	252.3	889.3	2 117.9	2 067.4	4 174.0	132.6	(NA)	(NA)
EAST NORTH CENTRAL DIVISION	1 206	698	142.9	1 116.9	118.8	240.1	855.3	2 038.9	2 007.1	4 035.3	126.2	(NA)	(NA)
OHIO	274	177	37.5	299.7	31.1	63.1	231.5	545.3	556.1	1 098.2	24.3	(NA)	(NA)
INDIANA	96	59	11.7	87.8	9.7	19.5	68.0	151.4	167.8	318.8	8.6	(NA)	(NA)
ILLINOIS	359	174	27.9	208.0	23.4	46.5	158.1	393.2	356.3	749.7	23.7	(NA)	(NA)
MICHIGAN	388	235	54.3	448.9	45.5	92.8	347.8	803.6	799.7	1 600.0	61.7	(NA)	(NA)
WISCONSIN	89	53	11.5	72.4	9.1	18.1	49.9	145.4	127.1	268.6	7.9	(NA)	(NA)
WEST NORTH CENTRAL DIVISION	131	70	7.4	48.9	5.9	12.2	34.0	79.0	60.3	138.7	6.4	(NA)	(NA)
MINNESOTA	67	42	3.8	25.5	3.0	6.2	18.2	42.1	24.8	66.4	2.2	(NA)	(NA)
IOWA	11	3	.8	5.4	.7	1.6	3.9	8.0	8.7	16.9	.6	(NA)	(NA)
MISSOURI	43	22	2.6	17.4	2.1	4.2	11.4	27.3	25.6	52.6	3.6	(NA)	(NA)
SOUTH REGION	209	108	14.9	81.8	12.7	26.1	61.5	165.6	189.4	352.4	12.6	(NA)	(NA)
SOUTH ATLANTIC DIVISION	87	40	6.2	35.7	5.2	10.5	26.7	71.1	89.5	159.3	6.4	(NA)	(NA)
DELAWARE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MARYLAND	16	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST VIRGINIA	8	6	.7	3.6	.6	1.2	2.8	6.3	4.7	10.8	.3	(NA)	(NA)
NORTH CAROLINA	20	8	.6	3.5	.4	.9	2.4	6.0	3.7	9.7	.5	(NA)	(NA)
SOUTH CAROLINA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
GEORGIA	15	9	2.1	11.2	1.9	4.1	9.0	23.5	27.4	50.6	1.6	(NA)	(NA)
FLORIDA	18	5	.4	2.2	.4	.8	1.7	6.2	6.8	13.0	1.1	(NA)	(NA)
EAST SOUTH CENTRAL DIVISION	67	46	6.8	35.1	5.9	12.3	26.6	70.4	80.4	150.2	3.8	(NA)	(NA)
KENTUCKY	25	21	2.5	14.3	2.1	4.2	10.5	22.1	24.0	47.1	1.8	(NA)	(NA)
TENNESSEE	21	9	1.7	7.6	1.5	3.2	5.8	18.8	19.6	37.7	.7	(NA)	(NA)
ALABAMA	11	8	.8	4.8	.7	1.5	3.5	10.2	14.8	24.9	.3	(NA)	(NA)
MISSISSIPPI	10	8	1.8	8.4	1.6	3.4	6.8	19.4	22.0	40.5	.9	(NA)	(NA)
WEST SOUTH CENTRAL DIVISION	55	22	2.0	11.0	1.6	3.2	8.3	24.1	19.5	42.9	2.4	(NA)	(NA)
ARKANSAS	4	3	.7	3.3	.6	1.2	2.6	6.3	5.4	11.5	.5	(NA)	(NA)
LOUISIANA	7	4	.2	1.5	.2	.3	1.2	3.0	3.5	6.5	.1	(NA)	(NA)
OKLAHOMA	8	3	.3	1.5	.2	.5	1.2	3.1	1.6	4.5	.3	(NA)	(NA)
TEXAS	36	12	.8	4.6	.7	1.3	3.3	11.7	9.1	20.4	1.6	(NA)	(NA)
WEST REGION	293	91	7.0	49.8	5.8	12.3	37.2	99.2	65.4	164.2	5.8	(NA)	(NA)
MOUNTAIN DIVISION	18	3	.2	.9	.1	.3	.7	1.5	1.0	2.5	.3	(NA)	(NA)
PACIFIC DIVISION	275	88	6.8	48.9	5.7	12.1	36.5	97.7	64.4	161.7	5.5	(NA)	(NA)
WASHINGTON	13	2	.2	1.4	.2	.3	1.1	2.7	2.2	5.2	.2	(NA)	(NA)
OREGON	10	3	.2	1.1	.2	.3	.9	1.5	1.0	2.4	.2	(NA)	(NA)
CALIFORNIA	252	83	6.4	46.3	5.4	11.4	34.5	93.4	61.3	154.2	5.1	(NA)	(NA)
3471-- PLATING AND POLISHING													
UNITED STATES	3 241	855	55.1	323.2	46.8	92.5	239.1	574.8	218.1	791.1	33.1	45.0	370.2
NORTHEAST REGION	1 048	263	16.8	96.1	14.3	28.2	70.5	168.8	63.3	231.5	10.5	14.2	111.2
NEW ENGLAND DIVISION	367	96	6.5	38.2	5.4	10.9	27.5	66.1	21.8	87.5	4.5	5.3	38.7
MASSACHUSETTS	132	37	2.2	13.0	1.8	3.5	9.3	22.4	7.2	29.5	.9	1.9	13.4
RHODE ISLAND	105	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	7.4
CONNECTICUT	121	38	2.7	17.6	2.2	4.6	12.1	31.5	10.3	41.5	3.1	2.0	17.5
MIDDLE ATLANTIC DIVISION	681	167	10.3	57.9	8.9	17.4	43.0	102.7	41.5	144.1	6.0	9.0	72.4
NEW YORK	398	98	6.3	34.4	5.4	10.7	25.3	61.1	21.9	82.9	3.1	5.4	41.1
NEW JERSEY	154	37	2.0	11.9	1.7	3.4	8.9	21.3	10.4	31.6	1.0	1.9	16.0
PENNSYLVANIA	129	32	2.0	11.5	1.7	3.2	8.9	20.3	9.2	29.5	1.8	1.6	15.4
NORTH CENTRAL REGION	1 230	356	23.0	138.6	19.5	38.5	102.1	244.5	99.2	343.0	14.4	19.9	170.1
EAST NORTH CENTRAL DIVISION	1 101	323	20.7	123.9	17.5	34.5	91.5	218.0	90.9	308.2	13.1	17.9	152.7
OHIO	269	78	4.7	28.2	3.9	7.9	20.5	49.9	20.1	69.9	3.1	4.1	34.4
INDIANA	84	31	1.8	10.5	1.5	2.9	7.5	20.5	5.9	26.3	1.2	1.6	15.4
ILLINOIS	300	102	6.4	39.5	5.5	10.8	28.9	69.6	28.6	98.1	4.4	5.4	46.4
MICHIGAN	374	91	6.5	37.6	5.6	10.8	28.8	64.2	29.1	92.8	2.9	6.0	49.3
WISCONSIN	74	21	1.3	8.0	1.1	2.2	5.8	13.9	7.2	21.1	1.5	.9	7.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3471-- PLATING AND POLISHING--CONTINUED													
NORTH CENTRAL REGION--CONTINUED													
WEST NORTH CENTRAL DIVISION	129	33	2.4	14.7	2.0	3.9	10.6	26.5	8.3	34.8	1.2	2.0	17.5
MINNESOTA	36	13	.9	6.6	.8	1.6	4.8	11.6	4.0	15.5	.4	.7	6.4
IOWA	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)	(D)
MISSOURI	60	12	1.0	5.8	.9	1.7	4.0	10.2	3.1	13.3	.5	1.0	8.5
KANSAS	15	3	.2	1.1	.1	.3	.8	2.4	.6	3.0	(D)	.1	1.2
SOUTH REGION	363	85	5.8	31.1	5.0	9.9	23.1	58.0	22.5	80.2	3.2	3.7	26.6
SOUTH ATLANTIC DIVISION	157	32	2.9	15.7	2.4	4.8	11.4	28.5	12.1	40.6	1.5	1.8	12.5
MARYLAND	23	4	.2	1.3	.2	.3	1.0	3.0	3.2	6.2	(D)	.1	.8
VIRGINIA[e]	17	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.0
NORTH CAROLINA	21	5	.4	2.0	.4	.8	1.6	3.2	1.5	4.7	.2	.2	1.5
SOUTH CAROLINA[e]	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	17	7	.5	2.7	.4	.9	1.9	4.7	1.7	6.5	(D)	[2](D)	[2](D)
FLORIDA	56	8	1.2	6.7	.9	1.9	4.7	12.6	4.0	16.5	.5	.4	3.1
EAST SOUTH CENTRAL DIVISION	68	21	1.2	5.1	1.0	2.0	4.1	8.9	3.1	12.0	.4	.6	4.6
KENTUCKY[e]	18	4	.2	1.0	.2	.3	.8	1.7	.5	2.2	.1	.2	1.3
TENNESSEE	33	13	.8	3.2	.7	1.3	2.5	5.6	2.0	7.6	.1	.3	2.2
WEST SOUTH CENTRAL DIVISION	138	32	1.8	10.2	1.5	3.1	7.7	20.5	7.2	27.6	1.2	1.2	9.5
OKLAHOMA	30	6	.4	2.3	.4	.6	1.6	5.1	1.2	6.3	.2	.3	1.8
TEXAS	94	24	1.2	7.2	1.1	2.2	5.4	14.1	5.4	19.4	(D)	.8	6.7
WEST REGION	600	151	9.5	57.4	8.0	15.9	43.4	103.5	33.2	136.4	5.0	7.2	62.3
MOUNTAIN DIVISION	51	13	.7	3.7	.6	1.1	2.7	6.5	1.9	8.4	.3	.5	4.1
COLORADO	16	5	.2	1.1	.2	.3	.7	2.3	.6	2.9	(D)	.1	1.1
ARIZONA	17	5	.3	1.7	.2	.5	1.2	2.5	.8	3.3	.1	.3	1.9
PACIFIC DIVISION	549	138	8.8	53.8	7.4	14.8	40.7	96.9	31.3	127.9	4.7	6.7	58.2
WASHINGTON	22	5	.3	1.8	.2	.4	1.4	3.1	1.5	4.7	.4	.2	2.4
OREGON	18	4	.3	1.7	.3	.5	1.4	2.6	.7	3.4	.1	.2	1.1
CALIFORNIA	503	128	8.2	49.9	6.9	13.8	37.7	90.8	28.6	119.2	4.1	6.3	54.6
3479-- METAL COATING AND ALLIED SERVICES[3]													
UNITED STATES	1 443	349	26.2	158.2	22.2	44.9	116.9	289.6	185.4	471.3	22.0	20.7	184.5
NORTHEAST REGION	512	96	6.9	40.2	5.8	11.6	29.4	73.7	46.7	118.6	4.1	6.9	56.7
NEW ENGLAND DIVISION	157	27	1.8	10.1	1.5	2.9	6.9	17.2	8.5	25.6	.7	1.7	12.8
MASSACHUSETTS	79	17	1.0	5.6	.8	1.7	4.0	9.0	3.4	12.3	.4	1.0	8.3
RHODE ISLAND	50	6	88	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.4
CONNECTICUT	24	4	.3	2.4	.3	.5	1.3	4.4	3.1	7.5	.2	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	355	69	5.2	30.1	4.3	8.7	22.5	56.5	38.2	92.9	3.4	5.2	43.9
NEW YORK	196	30	2.1	11.7	1.8	3.5	8.9	19.8	7.2	26.9	.6	2.1	16.4
NEW JERSEY	90	19	1.3	7.7	1.1	2.1	5.5	14.9	7.4	22.1	.3	1.4	11.2
PENNSYLVANIA	69	20	1.7	10.7	1.4	3.0	8.2	21.8	23.6	43.9	2.5	1.7	16.3
NORTH CENTRAL REGION	445	143	11.6	73.0	9.7	19.7	52.9	131.5	91.1	221.5	10.0	8.7	82.3
EAST NORTH CENTRAL DIVISION	386	129	10.6	67.2	8.9	18.1	49.0	116.7	84.7	200.5	9.6	8.0	76.1
OHIO	93	30	2.7	18.5	2.2	4.7	14.0	32.0	22.7	54.2	1.6	[2](D)	[2](D)
INDIANA	17	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	135	49	3.9	27.3	3.2	6.6	19.0	48.5	45.0	93.3	4.1	3.1	31.3
MICHIGAN	119	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	15.4
WISCONSIN	22	6	.5	2.6	.4	.9	2.0	4.3	3.0	7.3	.6	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	59	14	1.0	5.7	.8	1.6	4.0	14.8	6.4	21.0	.5	.7	6.2
MINNESOTA	17	4	.3	1.8	.3	.5	1.3	3.3	1.3	4.6	.1	.2	1.7
MISSOURI	32	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	182	56	4.1	21.2	3.6	7.6	17.3	42.5	26.0	68.1	2.3	2.5	21.3
SOUTH ATLANTIC DIVISION	69	14	1.1	6.0	.9	1.8	4.6	10.8	10.1	20.8	.6	1.0	8.5
MARYLAND	14	4	.3	1.7	.3	.5	1.5	3.0	2.1	5.1	.1	.5	4.6
NORTH CAROLINA	9	2	.3	1.3	.2	.4	.9	2.1	1.0	3.1	.1	[2](D)	[2](D)
GEORGIA	8	3	.2	1.0	.2	.3	.7	1.6	5.3	6.8	(D)	[2](D)	[2](D)
FLORIDA	26	4	.3	1.3	.2	.5	1.1	3.0	1.2	4.2	.3	.1	1.2
EAST SOUTH CENTRAL DIVISION	28	9	.9	3.8	.8	1.7	3.3	7.4	4.5	11.7	.6	.5	3.6
KENTUCKY	9	3	.5	1.9	.4	.9	1.7	3.8	1.7	5.4	.3	.2	1.5
ALABAMA	10	4	.3	1.5	.3	.6	1.3	2.9	2.5	5.4	.2	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	85	33	2.1	11.4	1.9	4.1	9.4	24.4	11.4	35.6	1.1	1.0	9.1
LOUISIANA	12	7	.4	2.8	.4	.9	2.1	6.5	3.6	10.0	(D)	[2](D)	[2](D)
OKLAHOMA	9	5	.3	1.6	.2	.5	1.3	2.8	1.4	4.2	.1	.1	.9
TEXAS	64	21	1.4	7.1	1.3	2.7	6.0	15.1	6.4	21.4	(D)	.7	6.0
WEST REGION	304	54	3.6	23.8	3.1	6.1	17.3	41.8	21.6	63.1	5.5	2.6	24.9
MOUNTAIN DIVISION[e]	21	2	.2	.8	.1	.3	.7	1.5	.4	1.9	(Z)	.1	1.2
PACIFIC DIVISION	283	52	3.5	23.0	2.9	5.8	16.6	40.3	21.2	61.2	5.5	2.5	23.7
CALIFORNIA	252	49	3.3	21.8	2.8	5.5	15.6	37.7	20.5	57.9	5.3	2.3	22.5

See footnotes on next page.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

Footnotes for Table 2 34-D

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

[3]Data for 1963 are not comparable to the 1967 information. (See footnote 3, table 1A).

TABLE 3. Detailed Statistics: 1967 and 1963

Item	Screw machine products (SIC 3451)	Bolts, nuts, rivets, and washers (SIC 3452)	Metal stampings (SIC 3461)	Plating and polishing (SIC 3471)	Metal coating and allied services (SIC 3479)
PRIMARY PRODUCT SPECIALIZATION RATIO	.96	.94	.89	(1)	(1)
COVERAGE RATIO	.90	.90	.91	(1)	(1)
ESTABLISHMENTS, TOTAL .NUMBER	1 874	662	2 710	3 241	1 443
WITH 1 TO 19 EMPLOYEES .DO	1 193	270	1 359	2 386	1 094
WITH 20 TO 99 EMPLOYEES .DO	598	237	957	791	297
WITH 100 EMPLOYEES OR MORE .DO	83	155	394	64	52
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	49.0	67.2	225.9	55.1	26.2
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	349.1	498.1	1 685.5	323.2	158.2
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	41.5	52.2	187.0	46.8	22.2
MARCH .DO	42.4	52.8	185.1	46.5	21.6
MAY .DO	41.4	51.9	187.0	45.9	22.1
AUGUST .DO	41.3	51.9	185.1	46.8	22.5
NOVEMBER .DO	41.1	52.0	190.8	47.9	22.7
MAN-HOURS .MILLIONS	88.2	108.5	379.8	92.5	44.9
JANUARY-MARCH .DO	22.8	28.3	94.9	22.9	11.1
APRIL-JUNE .DO	22.2	27.2	97.0	22.7	11.1
JULY-SEPTEMBER .DO	21.2	25.7	90.9	22.6	11.4
OCTOBER-DECEMBER .DO	22.0	27.3	97.0	24.2	11.4
WAGES MILLION DOLLARS	258.5	347.2	1 272.4	239.1	116.9
COST OF MATERIALS, ETC., TOTAL .DO	386.2	690.1	2 874.7	218.1	185.4
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	316.1	556.3	2 625.8	170.3	163.0
COST OF RESALES .DO	6.8	60.8	56.1	4.3	5.3
FUELS CONSUMED .DO	2.7	7.0	20.6	10.4	6.0
PURCHASED ELECTRIC ENERGY .DO	6.7	10.1	41.8	17.0	4.8
CONTRACT WORK .DO	53.8	55.9	130.4	16.1	6.3
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	1 021.5	1 643.9	5 893.7	791.1	471.3
VALUE OF RESALES .DO	8.1	73.8	67.8	5.3	6.1
VALUE ADDED BY MANUFACTURE .DO	641.5	979.4	3 030.8	574.8	289.6
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL .DO	90.7	294.1	684.1	30.6	33.7
FINISHED PRODUCTS .DO	19.5	132.2	123.2	5.3	6.9
WORK IN PROCESS .DO	34.2	53.6	248.7	4.1	5.6
MATERIALS, SUPPLIES, FUEL, ETC. .DO	37.0	108.2	312.1	21.3	21.2
END OF YEAR, TOTAL .DO	93.6	320.8	705.3	36.9	36.7
FINISHED PRODUCTS .DO	23.3	153.9	126.3	5.8	9.0
WORK IN PROCESS .DO	36.6	57.5	257.4	5.4	7.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	33.7	109.4	321.6	25.8	20.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	56.9	74.9	213.1	35.3	23.5
NEW PLANT AND EQUIPMENT, TOTAL .DO	49.7	70.7	195.8	33.1	22.0
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	9.5	17.7	38.6	8.3	5.0
NEW MACHINERY AND EQUIPMENT .DO	40.2	53.0	157.3	24.8	17.0
USED PLANT AND EQUIPMENT .DO	7.0	4.1	17.3	2.2	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]Relationships are not meaningful because of the predominance of miscellaneous receipts, particularly receipts for contract and commission work on materials owned by others.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3451--SCREW MACHINE PRODUCTS											
ESTABLISHMENTS, TOTAL	1 874	49.0	349.1	41.5	88.2	258.5	641.5	386.2	1 021.5	49.7	93.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	559	1.1	6.4	1.0	1.8	5.1	17.3	9.7	26.9	1.0	2.0
5 TO 9 EMPLOYEES[e]	258	1.8	12.1	1.6	3.3	9.6	24.4	13.9	38.2	1.5	2.1
10 TO 19 EMPLOYEES	376	5.3	36.5	4.4	9.1	27.2	71.6	37.6	108.6	5.4	6.3
20 TO 49 EMPLOYEES	425	13.1	92.4	11.1	23.6	67.5	170.7	98.7	268.6	15.6	20.1
50 TO 99 EMPLOYEES	173	11.9	85.3	10.1	21.9	63.6	158.5	99.0	255.7	11.1	22.9
100 TO 249 EMPLOYEES	66	9.4	65.6	7.9	17.0	49.0	119.1	74.3	191.1	9.3	22.3
250 TO 499 EMPLOYEES	16	6.5	50.7	5.3	11.5	36.4	79.9	53.0	132.3	5.7	17.9
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	557	1.3	8.1	1.3	2.4	6.5	20.4	11.0	31.3	.7	2.5
3452-- BOLTS, NUTS, RIVETS, AND WASHERS											
ESTABLISHMENTS, TOTAL	662	67.2	498.1	52.2	108.5	347.2	979.4	690.1	1 643.9	70.7	320.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	122	.2	1.6	.2	.4	1.2	4.5	3.0	7.5	.7	1.0
5 TO 9 EMPLOYEES	57	.4	2.9	.3	.8	2.0	6.5	5.5	12.2	.5	1.5
10 TO 19 EMPLOYEES	91	1.3	8.7	1.0	2.1	6.0	17.9	14.4	32.2	1.5	3.0
20 TO 49 EMPLOYEES	160	5.0	34.4	4.0	8.3	23.3	69.2	57.9	126.2	5.8	16.4
50 TO 99 EMPLOYEES	77	5.5	39.5	4.4	9.3	26.7	82.3	75.9	156.8	4.3	22.8
100 TO 249 EMPLOYEES	93	14.2	102.8	11.0	23.1	70.0	202.6	178.1	375.5	17.9	76.3
250 TO 499 EMPLOYEES	30	11.0	83.5	8.2	17.1	57.0	165.7	110.7	274.3	12.9	56.0
500 TO 999 EMPLOYEES	24	17.4	130.7	13.4	27.9	91.5	256.3	163.1	413.0	13.6	85.1
1,000 TO 2,499 EMPLOYEES	7	12.1	93.9	9.7	19.5	69.4	174.3	81.6	246.4	13.5	58.8
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	105	.2	1.6	.2	.4	1.1	3.6	3.0	6.6	.3	1.0
3461-- METAL STAMPINGS											
ESTABLISHMENTS, TOTAL	2 710	225.9	1 685.5	187.0	379.8	1 272.4	3 030.8	2 874.7	5 893.7	195.8	705.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	580	1.1	6.3	1.1	1.8	4.7	14.1	9.5	23.6	.3	2.3
5 TO 9 EMPLOYEES	305	2.1	14.5	1.8	3.5	10.4	28.2	18.3	47.6	1.1	3.7
10 TO 19 EMPLOYEES	474	6.8	45.4	5.5	10.9	31.8	85.3	60.1	145.0	6.0	11.1
20 TO 49 EMPLOYEES	630	19.9	133.6	16.5	33.4	93.3	242.6	193.1	433.9	13.3	40.2
50 TO 99 EMPLOYEES	327	23.0	150.3	19.0	39.1	107.5	279.0	220.3	498.0	19.8	52.9
100 TO 249 EMPLOYEES	238	36.2	237.3	29.7	60.8	169.9	444.6	409.9	850.9	34.8	115.0
250 TO 499 EMPLOYEES	92	31.2	199.8	25.9	53.3	148.1	346.4	360.1	704.2	20.3	103.4
500 TO 999 EMPLOYEES	36	24.1	164.6	19.8	39.3	123.6	301.7	329.4	625.1	30.5	113.1
1,000 TO 2,499 EMPLOYEES	10	16.6	142.0	13.3	27.6	109.3	252.1	271.2	528.7	16.8	65.4
2,500 EMPLOYEES OR MORE	18	64.9	591.6	54.4	110.1	473.9	1 036.7	1 002.6	2 036.7	53.1	198.4
ESTABS. COVERED BY ADMIN. RECORDS[1e]	624	1.6	9.0	1.6	2.6	6.7	19.0	13.3	32.3	.5	3.2
3471-- PLATING AND POLISHING											
ESTABLISHMENTS, TOTAL	3 241	55.1	323.2	46.8	92.5	239.1	574.8	218.1	791.1	33.1	36.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	1 237	2.3	12.0	2.2	3.8	9.8	26.8	8.9	35.7	.5	1.4
5 TO 9 EMPLOYEES[e]	570	3.8	22.9	3.5	6.5	18.1	42.1	13.1	55.1	1.8	2.0
10 TO 19 EMPLOYEES	579	8.1	47.3	6.8	13.4	35.6	81.2	27.8	109.0	4.0	4.1
20 TO 49 EMPLOYEES	620	18.9	110.9	16.0	31.9	82.3	193.0	71.6	264.0	11.6	11.7
50 TO 99 EMPLOYEES	171	11.4	67.4	9.6	19.1	49.0	116.7	48.6	164.8	7.7	8.3
100 TO 249 EMPLOYEES	54	7.2	43.3	6.0	12.4	30.9	76.4	35.5	111.9	4.8	6.9
250 TO 499 EMPLOYEES	9	3.4	19.4	2.7	5.5	13.5	38.5	12.6	50.7	2.7	2.6
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	1 384	3.7	19.0	3.6	6.1	15.4	37.9	12.3	50.2	1.1	2.0
3479-- METAL COATING AND ALLIED SERVICES											
ESTABLISHMENTS, TOTAL	1 443	26.2	158.2	22.2	44.9	116.9	289.6	185.4	471.3	22.0	36.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	624	1.0	5.2	1.0	1.6	3.9	13.2	5.0	18.2	.2	1.0
5 TO 9 EMPLOYEES	252	1.7	10.0	1.5	2.9	7.4	17.9	6.9	24.8	.7	1.2
10 TO 19 EMPLOYEES	218	3.1	18.7	2.6	5.0	13.2	32.6	13.8	46.4	3.7	2.1
20 TO 49 EMPLOYEES	226	7.1	41.9	6.1	12.1	30.8	73.4	31.6	104.9	3.0	5.6
50 TO 99 EMPLOYEES	71	4.7	29.0	4.0	8.4	21.8	56.5	43.8	99.4	3.9	8.9
100 TO 249 EMPLOYEES	48	7.1	42.6	6.0	12.6	32.5	77.4	64.6	139.8	8.9	14.0
250 TO 499 EMPLOYEES	3	1.5	10.8	1.0	2.3	7.3	18.5	19.7	37.7	1.6	3.9
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	661	1.6	8.0	1.6	2.7	5.9	18.0	6.9	24.8	.3	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3451	Screw machine products.....1967..	1,021.5	933.6	40.5	47.4	96	1,036.1	933.6	102.5	90
	1963..	589.0	538.7	18.8	31.5	97	599.4	538.7	60.7	90
3452	Bolts, nuts, rivets, and washers.....1967..	1,643.9	1,449.5	97.2	97.2	94	1,613.1	1,449.5	163.6	90
	1963..	1,218.2	1,058.4	92.0	67.8	92	1,175.7	1,058.4	117.3	87
3461	Metal stampings.....1967..	5,893.7	5,051.9	631.5	210.3	89	5,525.2	5,051.9	473.3	91
	1963..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3471	Plating and polishing.....1967..	791.1	[1]756.1	26.6	8.4	([1])	([2])	756.1	([2])	([2])
	1963..	517.6	[1]501.9	10.3	5.4	([1])	([2])	501.9	([2])	([2])
3479	Metal coating and allied services.....1967..	471.3	[1]404.3	58.3	8.7	([1])	([3])	404.3	([3])	([3])
	1963..	322.1	[1]286.5	22.6	13.0	([1])	([3])	286.5	([3])	([3])

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

[1]Specialization ratio is not meaningful because of the predominance of receipts for contract and commission work on materials owned by others. Such receipts are treated as primary products for this industry.

[2]Data on receipts for plating and polishing are not available for establishments classified outside industry 3471.

[3]Data on receipts for metal coating and engraving, etc. are not available for establishments classified outside industry 3479.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Screw machine products (SIC 3451)	Bolts, nuts, rivets, and washers (SIC 3452)	Metal stampings (SIC 3461)	Plating and polishing (SIC 3471)	Metal coating and allied services (SIC 3479)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	1,021.5	1,643.9	5,893.7	791.1	471.3	(X)
3451-	Screw machine products.....	1,036.1	933.6	(20-50)	(5-10)	-	-	64.9
3552-	Bolts, nuts, rivets, and washers.....	1,613.1	(20-50)	1,449.5	(over 2)	-	-	135.0
34521	Bolts, nuts and other standard industrial fasteners.....	983.9	(X)	855.2	(D)	-	-	116.6
34522	Special industrial fasteners.....	361.5	1.4	351.1	-	-	-	9.0
34523	Headed products (produced by cold and hot heading), other than industrial fasteners.....	195.9	(X)	171.6	(D)	-	-	9.1
34520	Bolts, nuts, rivets, and washers, n.s.k.....	71.8	-	71.6	-	-	-	0.2
3461-	Metal stampings.....	5,525.2	(under 2)	(5-10)	5,051.9	-	-	464.7
34611	Vitreous enameled products.....	66.9	-	-	63.1	-	-	3.8
34612	Job stampings, except automotive.....	1,076.9	(D)	(D)	967.3	-	-	(D)
34613	Job stampings, automotive.....	3,178.2	-	-	2,915.1	-	-	262.9
34614	Stamped and spun utensils, cooking and kitchen, aluminum	148.2	-	-	146.4	-	-	1.8
34615	Stamped and spun utensils, cooking and kitchen, except aluminum.....	141.6	-	-	133.3	-	-	8.3
34616	Metal commercial closures and metal home canning closures (except crowns).....	204.6	-	-	189.2	-	-	15.4
34617	Metal crowns.....	85.4	-	-	73.5	-	-	11.9
34618	Other stamped and pressed metal end products.....	377.3	(D)	(D)	323.4	-	-	50.7
34610	Metal stampings, n.s.k.....	246.1	(D)	-	240.6	-	-	(D)
3471	Plating and polishing.....	([1])	-	-	-	756.1	-	([1])
3479	Metal coating and allied services.....	([1])	-	-	-	-	404.3	([1])

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Screw machine products (SIC 3451)	Bolts, nuts, rivets, and washers (SIC 3452)	Metal stampings (SIC 3461)	Plating and polishing (SIC 3471)	Metal coating and allied services (SIC 3479)	Other industries
	Other product shipments by 4-digit product group							
1911-	Guns, howitzers, and mortars	(X)	-	(over 2)	-	-	-	(X)
1929-	Ammunition, except for small arms, n.e.c.	(X)	-	(under 2)	20.3	-	-	(X)
1999-	Ordnance and accessories, n.e.c.	(X)	-	-	9.6	-	-	(X)
2396-	Automotive and apparel trimmings	(X)	-	-	(over 2)	-	-	(X)
2499-	Wood products, n.e.c.	(X)	-	-	6.4	-	-	(X)
2522-	Metal office furniture	(X)	-	5.3	-	-	-	(X)
2542-	Metal partitions and fixtures	(X)	-	(2-5)	2.4	-	-	(X)
2752-	Commercial printing, lithographic	(X)	-	-	(under 2)	-	(over 2)	(X)
3079-	Miscellaneous plastics products	(X)	-	(under 2)	21.9	(2-5)	4.7	(X)
3317-	Steel pipe and tubes	(X)	-	3.3	3.3	0.7	-	(X)
3391-	Iron and steel forgings	(X)	-	(under 2)	6.9	-	-	(X)
3392-	Nonferrous forgings	(X)	-	-	17.7	-	-	(X)
3399-	Primary metal products, n.e.c.	(X)	-	(under 2)	(under 2)	10.9	11.5	(X)
3411-	Metal cans	(X)	-	-	18.4	-	-	(X)
3423-	Hand and edge tools, n.e.c.	(X)	0.7	1.9	4.2	-	-	(X)
3429-	Hardware, n.e.c.	(X)	1.5	2.1	13.0	-	-	(X)
3431-	Metal plumbing fixtures	(X)	-	-	14.6	-	-	(X)
3441-	Fabricated structural steel	(X)	-	-	8.6	-	(under 2)	(X)
3442-	Metal doors sash and trim	(X)	-	-	4.2	-	-	(X)
3443-	Fabricated platework (boiler shop products)	(X)	-	(over 2)	0.6	-	-	(X)
3444-	Sheet metalwork	(X)	-	-	8.4	-	-	(X)
3481-	Miscellaneous fabricated wire products	(X)	-	2.0	5.9	-	-	(X)
3491-	Metal barrels, drums, and pails	(X)	-	-	12.5	-	-	(X)
3499-	Fabricated metal products, n.e.c.	(X)	(under 2)	(over 2)	12.7	(under 2)	-	(X)
3541-	Machine tools, metal-cutting types	(X)	-	-	2.2	-	-	(X)
3542-	Machine tools, metal-forming types	(X)	-	6.8	-	-	-	(X)
3544-	Special dies, tools, jigs, and fixtures	(X)	(under 2)	0.8	241.3	-	-	(X)
3548-	Metalworking machinery, n.s.k.	(X)	(under 2)	3.8	-	-	-	(X)
3551-	Food products machinery	(X)	-	-	3.5	-	-	(X)
3552-	Textile machinery	(X)	2.7	(under 2)	(under 2)	-	-	(X)
3559-	Special industry machinery, n.e.c.	(X)	-	(under 2)	3.1	(under 2)	-	(X)
3621-	Motors and generators	(X)	-	-	(over 2)	-	-	(X)
3634-	Electric housewares and fans	(X)	-	-	38.1	-	-	(X)
3713-	Truck and bus bodies	(X)	-	-	4.2	-	-	(X)
3714-	Motor vehicle parts and accessories	(X)	0.9	-	3.2	-	-	(X)
3722-	Aircraft engines and engine parts	(X)	(under 2)	-	(2-5)	-	-	(X)
3941-	Games, and toys	(X)	-	-	5.2	-	-	(X)
3964-	Needles, pins and fasteners	(X)	-	(over 2)	17.5	-	-	(X)
3993-	Signs and advertising displays	(X)	-	-	2.2	-	(under 2)	(X)
	All other secondary products[2]							
	Miscellaneous receipts, total	(X)	47.4	97.2	210.3	8.4	8.7	(X)
93000	Receipts for contract work	(X)	20.4	6.7	43.2	-	-	(X)
99980	Sales of scrap and refuse	(X)	16.5	11.5	90.6	1.5	2.0	(X)
99980	Receipts for research and developmental work	(X)	2.4	-	0.4	-	-	(X)
99980	All other miscellaneous receipts	(X)		5.2	8.3	1.6	0.6	(X)
99989	Resales	(X)	8.1	73.8	67.8	5.3	6.1	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listings of other industries with over $2 million shipments of primary products	
3451-	3341 Secondary nonferrous metals	(over 2)
	3351 Copper rolling and drawing	4.2
	3429 Hardware, n.e.c.	(2-5)
	3494 Valves and pipe fittings	10.5
	3519 Internal combustion engines, n.e.c.	6.0
	3586 Measuring and dispensing pumps	(over 2)
	3714 Motor vehicle parts and accessories	10.9
3452-	3312 Blast furnaces and steel mills	75.1
	3315 Steel wire and related products	11.4
	3316 Cold finishing of steel shapes	(5-10)
	3423 Hand and edge tools, n.e.c.	2.8
	3441 Fabricated structural steel	(2-5)
	3522 Farm machinery	3.3
	3553 Woodworking machinery	(2-5)
	3643 Current carrying wire devices	2.3
	3714 Motor vehicle parts and accessories	17.6
3461-	2514 Metal household furniture	4.9
	2655 Fiber cans, drums and related material	2.7
	3069 Fabricated rubber products, n.e.c.	8.8
	3079 Miscellaneous plastics products	4.9
	3312 Blast furnaces and steel mills	27.2

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listings of other industries with over $2 million shipments of primary products--Continued	
3461-	3351 Copper rolling and drawing	(over 2)
	3352 Aluminum rolling and drawing	9.5
	3356 Nonferrous rolling and drawing, n.e.c.	(2-5)
	3411 Metal cans	21.7
	3423 Hand and edge tools, n.e.c.	2.6
	3429 Hardware, n.e.c.	15.9
	3442 Metal doors, sash and trim	2.1
	3444 Sheet metalwork	8.3
	3481 Miscellaneous fabricated wire products	8.0
	3499 Fabricated metal products, n.e.c.	2.4
	3522 Farm machinery	22.6
	3544 Special dies, tools, jigs, and fixtures	14.2
	3573 Electronic computing equipment	2.4
	3589 Service industry machines, n.e.c.	3.3
	3631 Household cooking equipment	4.4
	3634 Electric housewares and fans	(5-10)
	3642 Lighting fixtures	5.8
	3711 Motor vehicles	134.5
	3713 Truck and bus bodies	2.9
	3714 Motor vehicle parts and accessories	71.1
	3729 Aircraft equipment, n.e.c.	3.1
	3822 Automatic temperature controls	(over 2)
	3993 Signs and advertising displays	3.7

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Data on receipts for (1) plating and polishing; and (2) metal coating and allied services are not available for establishments classified outside industries 3471 and 3479, respectively.

[2]Includes, where appropriate, values for those 4-digit product groups for which either the symbol D or a value range, eg. (2-5), under 2, etc. appear above.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix under "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3451- --	SCREW MACHINE PRODUCTS, TOTAL	1,036.1	599.4
34510 12	Automotive	233.2	116.5
34510 22	Aircraft and ordnance	176.0	79.7
34510 42	Household appliances, including radio and television	69.3	43.9
34510 62	Machinery	93.9	55.4
34510 98	All other end uses	321.6	218.3
34510 00	Screw machine products, n.s.k. (For companies with 10 or more employees. See note.)	112.5	85.5
34510 02	Screw machine products, n.s.k. (For companies with less than 10 employees. See Note.)	29.6	

	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3452- --	BOLTS, NUTS, RIVETS, AND WASHERS, TOTAL	.....	(X)	1,613.1	(X)	1,175.7
34521 --	Bolts, nuts, and other standard industrial fasteners	.....	(X)	983.9	(X)	843.0
	Bolts, threaded rods, lag screws, and studs, including nuts when nuts and bolts are sold as a unit:					
34521 01	Mine roof bolts	Million lbs...	506.4	87.2	(NA)	(NA)
34521 02	Aircraft bolts	...do.....	6.3	27.5	5.8	20.6
34521 03	Standard hex, square, and 12-point bolts and screws	...do.....	404.2	107.3	259.8	59.6
34521 04	Standard round head bolts (carriage, elevator, step, plow, and track)	...do.....	121.3	26.8	281.4	60.9
34521 05	Lag screws and bolts	...do.....	29.9	8.2	68.0	16.2
34521 07	Studs, threaded rods, and threaded wires	...do.....	116.7	33.7	122.7	46.9
	Nuts:					
34521 13	Standard nuts (hexagon, or square, regular, heavy, or jam, finished, semifinished or unfinished, including slotted or castle) (excluding sheet metal nuts)	...do.....	160.0	70.1	221.0	70.0
	Locknuts (excluding sheet metal nuts):					
34521 15	Aircraft	...do.....	23.8	39.4	14.9	32.8
34521 17	Commercial (except aircraft)	...do.....	33.7	19.8	27.9	17.0
34521 18	Sheet metal nuts, including push-on, "J" and "U" type slip-on cage, anchor, and locknuts, nut retainers, etc	...do.....	14.2	25.6	25.3	18.2
34521 19	Other nuts, including machine screw and stove bolt nuts, wingnuts, etc	...do.....	61.2	30.0	53.6	33.5
	Screws:					
34521 23	Cap and set screws, hexagon head, 1/4" diameter and larger	Million pieces	2,353.1	61.9	3,638.6	73.6
34521 25	Other cap and set screws	...do.....	1,536.5	28.0	854.6	35.5
34521 33	Machine screws, including stove bolts	...do.....	10,002.9	62.3	13,734.2	65.5
34521 36	Tapping screws (thread-forming and thread-cutting screws, including sheet metal and hardened metallic drive screws)	...do.....	25,989.4	90.0	13,594.1	55.4
34521 38	Wood screws (except wood-drive screws)	Million gross.	22.2	19.0	40.9	18.9
34521 39	Other screws	...do.....	(NA)	13.5	(NA)	24.5
	Washers:					
34521 45	Spring, spiral, and other lock	Million pieces	10,050.5	31.3	11,079.4	24.9
34521 49	Flat and other	1,000 lbs.....	(NA)	33.1	(NA)	30.4
	Rivets:					
34521 51	Aircraft rivets	Million lbs...	15.7	29.9	(NA)	13.4
34521 53	7/16" and under (other than aircraft)	...do.....	75.3	39.9	125.2	41.9
34521 57	1/2" and over (other than aircraft)	...do.....	29.9	5.1	73.8	12.0
34521 81	Pins (aircraft, straight, dowel, clevis, cotter, and miscellaneous patent)	.....	(X)	16.9	(X)	19.4
34521 85	Toggle bolts and similar devices	.....	(X)	13.3	(X)	32.6
34521 98	Other standard fasteners	.....	(X)	38.3		
34521 00	Bolts, nuts, screws, rivets, etc., n.s.k.	.....	(X)	25.8	(X)	19.2
34522 15	Special industrial fasteners (nonstandard)	.....	(X)	361.5	(X)	241.5
34523 --	Headed products (produced by cold and hot heading), other than industrial fasteners	.....	(X)	195.9	(X)	76.7
	Other headed products:					
34523 12	Automotive	.....	(X)	91.2	(X)	43.0
34523 22	Aircraft and ordnance	.....	(X)	46.0	(X)	6.5
34523 42	Household appliances, including radio and television	.....	(X)	8.5	(X)	9.8
34523 98	All other end uses	.....	(X)	50.2	(X)	17.4

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix under "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3452 --	BOLTS, NUTS, RIVETS, AND WASHERS--Continued					
34520 00	Bolts, nuts, rivets, and washers, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	65.3	(X)	14.5
34520 02	Bolts, nuts, rivets, and washers, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	6.5		
3461- --	METAL STAMPINGS, TOTAL	.....	(X)	5,525.2	(X)	4,183.6
34611 --	Vitreous-enameled products	.....	(X)	[1]66.9	(X)	[1]70.1
34611 13	Household cooking and kitchen utensils	.....	(X)	26.7	(X)	23.6
34611 23	Commercial and hospital utensils	.....	(X)	1.7		
34611 41	Architectural vitreous (porcelain) parts (exterior and interior), including store front and curtain wall components	.....	(X)	10.3	(X)	23.0
34611 75	Laundry equipment parts (sold separately)	.....	(X)	3.3	(X)	7.7
34611 98	Other vitreous (porcelain) enameled products, including refrigerator parts	.....	(X)	21.7	(X)	15.8
34611 00	Vitreous enameled products, n.s.k	.....	(X)	3.2	(X)	-
34612 --	Job stampings, except automotive[2]	.....	(X)	1,076.9	(X)	756.7
34612 11	Aviation stampings	.....	(X)	175.9	(X)	19.8
34612 15	Agricultural equipment stampings, including tractor	.....	(X)	34.2	(X)	22.0
34612 25	Electrical appliance stampings (except refrigeration and laundry equipment)	.....	(X)	55.1	(X)	56.9
34612 31	Furniture stampings	.....	(X)	14.9	(X)	16.4
34612 41	Office machine stampings	.....	(X)	42.2	(X)	25.5
34612 51	Radio and television stampings	.....	(X)	126.8	(X)	91.4
34612 61	Refrigerator stampings	.....	(X)	53.3	(X)	52.1
34612 71	Stove, heater, and air-conditioner stampings	.....	(X)	38.7	(X)	29.1
34612 84	Laundry equipment stampings	.....	(X)	8.8	(X)	16.7
34612 98	Other job stampings	.....	(X)	472.4	(X)	388.4
34612 00	Job stampings, except automotive, n.s.k	.....	(X)	54.6	(X)	38.5
34613 13	Automotive job stampings (truck, bus, and passenger car)[2]	.....	(X)	3,178.2	(X)	[3]2,548.0
34614 --	Stamped and spun utensils, cooking and kitchen, aluminum, total	.....	(X)	148.2	(X)	95.7
34614 13	Top of range utensils	Million units.	[e]164.8	104.3	(NA)	88.2
34614 15	Bakeware, pastryware and miscellaneous household utensils	...do.....	(NA)	28.4		
34614 21	Commercial and hospital	...do.....	[e]6.0	15.1	(NA)	7.5
34614 00	Stamped and spun utensils, aluminum, n.s.k	.....	(X)	0.4	-	-
34615 --	Stamped and spun utensils, cooking and kitchen, except aluminum, total	.....	(X)	141.6	(X)	134.3
	Stainless steel:					
34615 03	Top of range utensils	Million units.	[e]24.8	48.9	(X)	54.6
34615 05	Bakeware, pastryware and miscellaneous household utensils	...do.....	[e]82.8	37.1		
34615 12	Commercial and hospital	...do.....	(NA)	21.3	(X)	17.9
	Tinware:					
34615 23	Household	...do.....	34.5	16.3	(X)	26.7
34615 25	Commercial	...do.....				
34615 98	Other metal	...do.....	(X)	13.8	(X)	27.9
34615 00	Stamped and spun utensils, cooking and kitchen, except aluminum, n.s.k	.....	(X)	4.2	(X)	7.1
34616 --	Metal commercial closures and metal home canning closures, except crowns, total	.....	(X)	204.6	(X)	161.5
34616 10	Metal commercial closures and home canning closures, except milk bottle closures:					
	As reported in the census of manufactures	Million units.	(NA)	200.8	16,991.3	134.5
	As reported on monthly form M34H[4]	...do.....	17,440.4	(NA)	16,849.8	(NA)
34616 51	Milk bottle closures (aluminum and tin mill only)	.....	(X)	3.8	(X)	13.4
34616 00	Metal commercial closures and metal home canning goods, n.s.k	.....				
34617 --	Metal crowns:					
	As reported in the census of manufactures	.....	(X)	85.4	319.3	82.0
	As reported on monthly form M34H[4]	Million gross.	326.7	(NA)	315.8	(NA)

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix under "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3461- --	METAL STAMPINGS--Continued					
34618 --	Other stamped and pressed metal end products, total		(X)	377.3	(X)	237.1
34618 59	Perforated metal end products		(X)	44.2	(X)	17.0
	Pails, ash cans, garbage cans, tubs, etc., excluding shipping containers:					
34618 61	Galvanized steel		(X)	44.1	(X)	39.7
34618 69	Other metal, including other grades of steel		(X)	17.7	(X)	10.7
34618 71	Electronic enclosures (stamped and/or pressed)		(X)	42.8	(X)	161.7
34618 98	Other stamped and pressed metal end products		(X)	211.2		
34618 00	Other stamped and pressed metal end products, n.s.k.		(X)	17.3	(X)	8.0
34610 00	Metal stampings, n.s.k. (For establishments with 10 or more employees. See note.)		(X)	213.8	(X)	98.1
34610 02	Metal stampings, n.s.k. (For establishments with fewer than 10 employees.)		(X)	32.3		

Product code	Product	Total value of shipments including interplant transfers (million dollars)	
		1967	1963
34710 11	Electroplating, plating, and polishing[5]	756.1	501.9
3479- --	METAL COATING AND ALLIED SERVICES, TOTAL[5]	404.3	[1]286.5
34790 13	Etching and engraving metal nameplates	46.5	37.5
34790 19	Other engraving	8.0	
34790 31	Galvanizing and other hot dip coating	60.0	52.6
	Organic coatings, enamels, lacquers including alkydes, vinyls, acrylics, plastisols, etc.:		
34790 61	Coil coating	106.0	140.1
34790 71	Spray coating, including electrostatic coating	54.4	
34790 81	All other, including curtain coating, wash coating, etc	35.9	
34790 00	Metal coating and allied services, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	68.7	56.4
34790 02	Metal coating and allied services, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	24.8	

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]From 10 to 30 percent of this figure was estimated.

[1]Data are limited to vitreous-enameled products produced from materials owned by the producing company. Data do not include the value of receipts for enameled work done on materials owned by others (enameled products for the trade).

[2]"Job stampings" are mainly parts which are sold to other manufacturers for incorporation into their own products. Job stampings may be made from materials owned by the customer. These figures represent only those stampings made from materials owned by the establishment performing the stamping operation.

[3]Data for automotive job stampings for 1963 have been revised to include the output of the automotive stampings plants operated by automobile producing companies. The products for most of these plants had been classified as automotive parts.

[4]See table 6A-2 for detailed product data.

[5]Value consists principally of receipts for work done on materials owned by others. The value represents only work done by establishments classified in industry 3471 and 3479, respectively.

TABLE 6A-2. Metal Closures for Containers: 1967 and 1963

Product code	Product	Unit of measure	Quantity of shipments including interplant transfers	
			1967	1963
	METAL COMMERCIAL CLOSURES (CAPS), FOR GLASS CONTAINERS	Million units	16,369.7	15,746.6
3461603	Screw thread and lug type (nonvacuum), total	...do	9,624.3	9,193.5
	By type of metal:			
3461611	Aluminum	...do	2,621.2	1,913.3
3461631	Tin mill products	...do	7,003.1	7,280.2
	By size:			
3461633	38 millimeter and smaller	...do	6,416.7	6,208.2
3461634	Over 38 millimeter (except styles 445, 450, and 460)[2]	...do	2,193.1	2,985.2
3461636	Styles 445, 450 and 460[2]	...do	1,014.0	
	By type of liner:			
3461637	Paper, including laminates	...do	8,552.2	(NA)
3461638	Compound, plastic and rubber	...do	713.3	(NA)
3461639	Other, including unlined	...do	358.4	(NA)
3461652	Metal caps (vacuum)	...do	6,745.4	[1]6,533.1
	HOME CANNING CLOSURES	Million gross	(D)	10.0
	Tin mill products:			
3461681	Metal lids	...do	(D)	7.6
3461683	Metal screw bands	...do	(D)	[2]2.3
3461687	Other home canning closures	...do	(D)	(D)
3461655	METAL CLOSURES FOR METAL CANS (EXCEPT CROWNS)[3]	Million units	716.1	798.3
3461657	METAL CLOSURES FOR PLASTIC CONTAINERS, VIALS, AND TUBES (RIGID, FLEXIBLE, AND COLLAPSIBLE)	...do	354.5	304.9
	METAL CLOSURES FOR GLASS AND METAL PRESSURE CONTAINERS	Million gross	345.3	315.8
	Metal crowns:			
3461715	Soft drink containers	...do	221.9	209.8
3461719	Beer and all other	...do	104.8	[4]106.0
	All other metal closures (roll-ons, snip, tear-off and flip cans):			
3461663	Soft drink containers	...do	5.3	(NA)
3461669	Beer and all other	...do	13.3	(NA)

Source: Current Industrial Reports Series M-34H, Closures for Containers.

Note: Detail may not add to totals due to independent rounding.

(NA) Not available.
(D) Withheld to avoid disclosing figures for individual companies. In some cases figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher-level totals or from related figures.
[1]Includes top seal vacuum closures with screw and lug thread.
[2]Includes other types of home canning closures.
[3]Includes caps produced "for own use" by can producing companies.
[4]Includes a small quantity of crowns for "other containers."

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
BOLTS, NUTS, OTHER STANDARD INDUSTRIAL FASTENERS (34521)		
United States	983.9	843.0
Northeast Region	341.3	287.5
New England Div	98.6	80.3
New Hampshire	CC	(1)
Massachusetts	38.5	38.0
Rhode Island	EE	(1)
Connecticut	42.4	29.9
Middle Atlantic Div	242.7	207.2
New York	52.0	43.7
New Jersey	67.3	59.5
Pennsylvania	123.4	104.0
North Central Region	473.5	427.3
East North Central Div	456.7	409.2
Ohio	153.1	108.7
Indiana	34.4	44.2
Illinois	180.3	173.4
Michigan	69.2	69.0
Wisconsin	19.6	13.9
West North Central Div	16.8	18.1
Minnesota	3.0	(1)
Missouri	13.0	(1)
South Region	79.3	58.5
South Atlantic Div	41.7	33.7
Maryland	BB	(1)
Virginia	CC	(1)
North Carolina	FF	(1)
Florida	CC	(1)
East South Central Div	25.6	18.0
Kentucky	6.2	(1)
Alabama	18.5	(1)
West South Central Div	12.1	6.8
Oklahoma	AA	(D)
Texas	EE	(1)
West Region	89.8	69.3
Mountain Div	BB	(D)
Colorado	BB	(1)
Pacific Div	GG	(D)
Washington	BB	(1)
California	GG	61.8
SPECIAL INDUSTRIAL FASTENERS (34522)		
United States	361.5	241.5
Northeast Region	79.8	61.9
New England Div	49.9	27.6
Massachusetts	FF	(1)
Rhode Island	BB	(1)
Connecticut	25.9	9.4
Middle Atlantic Div	29.9	34.3
New York	5.3	8.7
New Jersey	2.6	4.8
Pennsylvania	22.0	20.7
SPECIAL INDUSTRIAL FASTENERS (34522)--Con.		
North Central Region	201.6	152.3
East North Central Div	197.2	(D)
Ohio	89.2	81.2
Indiana	CC	(D)
Illinois	64.3	43.8
Michigan	FF	25.3
West North Central Div	4.4	(D)
Minnesota	BB	(D)
South Region	4.1	2.9
East South Central Div	BB	(D)
Tennessee	BB	(D)
West South Central Div	AA	(D)
Oklahoma	AA	(D)
West Region	76.0	24.4
Pacific Div	76.0	24.4
Oregon	BB	(1)
California	GG	(1)
HEADED PRODUCTS, OTHER THAN INDUSTRIAL FASTENERS (34523)		
United States	195.9	76.7
Northeast Region	52.9	17.7
New England Div	7.0	7.6
Connecticut	6.4	(1)
Middle Atlantic Div	45.9	10.1
New York	11.2	3.5
New Jersey	3.0	(D)
Pennsylvania	31.7	6.7
North Central Region	117.8	52.0
East North Central Div	GG	(D)
Ohio	12.3	7.9
Indiana	BB	(1)
Illinois	51.9	16.7
Michigan	49.5	23.7
South Region	3.3	(D)
East South Central Div	BB	(D)
Mississippi	BB	(D)
West Region	21.8	(D)
Pacific Div	FF	(D)
California	FF	(1)
VITREOUS ENAMELED PRODUCTS (34611)		
United States	66.8	70.1
Northeast Region	22.6	27.7
New England Div	BB	1.3
Massachusetts	BB	(D)
Middle Atlantic Div	EE	26.4
New York	10.7	9.1
Pennsylvania	7.7	17.3
VITREOUS ENAMELED PRODUCTS (34611)--Con.		
North Central Region	23.3	25.2
East North Central Div	23.1	(D)
Ohio	1.1	(1)
Indiana	EE	5.8
Illinois	1.4	7.9
Michigan	6.6	(1)
Wisconsin	BB	(1)
South Region	EE	14.9
South Atlantic Div	BB	(D)
West Virginia	BB	(1)
East South Central Div	16.2	(D)
Kentucky	BB	(1)
Tennessee	8.8	6.2
Mississippi	BB	(D)
West Region	AA	2.3
Pacific Div	AA	2.3
California	AA	(1)
JOB STAMPINGS, EXCEPT AUTOMOTIVE (34612)		
United States	1,076.9	756.7
Northeast Region	369.6	254.3
New England Div	116.7	74.4
Massachusetts	37.1	24.9
Rhode Island	9.1	6.3
Connecticut	69.1	41.9
Middle Atlantic Div	252.8	179.9
New York	98.5	81.7
New Jersey	64.6	54.5
Pennsylvania	89.6	43.7
North Central Region	581.1	412.3
East North Central Div	529.2	374.9
Ohio	164.1	119.6
Indiana	25.9	25.0
Illinois	218.7	149.8
Michigan	56.7	43.8
Wisconsin	63.9	36.8
West North Central Div	51.9	37.4
Minnesota	33.8	18.3
Iowa	3.2	(1)
Missouri	13.6	9.5
South Region	77.3	44.7
South Atlantic Div	13.0	12.0
West Virginia	BB	5.9
North Carolina	3.9	2.3
South Carolina	AA	(D)
Florida	4.2	1.2
East South Central Div	55.7	28.3
Kentucky	27.4	18.5
Tennessee	20.4	3.9
Alabama	CC	(1)
Mississippi	AA	(1)
West South Central Div	8.5	4.4
Arkansas	AA	(D)
Oklahoma	3.0	(1)
Texas	3.0	2.7

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
JOB STAMPINGS, EXCEPT AUTOMOTIVE (34612)--Con.		
West Region	49.1	45.4
Mountain Div.	2.4	(D)
Colorado	(1)	(D)
Utah	AA	(D)
Pacific Div.	46.6	(D)
California	45.5	43.9
JOB STAMPINGS, AUTOMOTIVE (34613)		
United States	3,178.2	(NA)
Northeast Region	289.3	(NA)
New England Div.	17.8	(NA)
Massachusetts	9.3	(NA)
Connecticut	CC	(NA)
Middle Atlantic Div.	271.5	(NA)
New York	125.7	(NA)
New Jersey	3.6	(NA)
Pennsylvania	142.2	(NA)
North Central Region	2,776.1	(NA)
East North Central Div.	2,770.0	(NA)
Ohio	691.4	(NA)
Indiana	195.6	(NA)
Illinois	286.0	(NA)
Michigan	1,582.1	(NA)
Wisconsin	15.0	(NA)
West North Central Div.	6.2	(NA)
Iowa	BB	(NA)
Missouri	3.2	(NA)
South Region	103.7	(NA)
South Atlantic Div.	57.1	(NA)
West Virginia	CC	(NA)
South Carolina	EE	(NA)
Georgia	FF	(NA)
Florida	CC	(NA)
East South Central Div.	FF	(NA)
Kentucky	5.6	(NA)
Mississippi	32.8	(NA)
West South Central Div.	CC	(NA)
Arkansas	CC	(NA)
Texas	AA	(NA)
West Region	9.1	(NA)
Pacific Div.	CC	(NA)
California	8.8	(NA)
STAMPED, SPUN ALUMINUM COOKING, KITCHEN UTENSILS (34614)		
United States	148.2	95.7
Northeast Region	13.7	(D)
New England Div.	2.3	(D)
Connecticut	AA	(D)
Middle Atlantic Div.	11.5	23.4
New York	5.1	2.8
Pennsylvania	CC	(1)
North Central Region	GG	(D)
East North Central Div.	115.6	64.1
Ohio	42.1	(1)
Illinois	CC	(1)
Wisconsin	67.2	52.3
STAMPED, SPUN ALUMINUM COOKING, KITCHEN UTENSILS (34614)--Con.		
North Central Region--Con.		
West North Central Div.	BB	(D)
Minnesota	BB	(D)
South Region	EE	(D)
South Atlantic Div.	EE	(D)
Maryland	AA	(D)
Georgia	EE	(1)
East South Central Div.	AA	(D)
Alabama	AA	(D)
OTHER STAMPED, SPUN UTENSILS; COOKING, KITCHEN (34615)		
United States	141.6	134.3
Northeast Region	26.4	27.2
Middle Atlantic Div.	25.7	26.1
New York	22.4	22.4
New Jersey	AA	(1)
Pennsylvania	AA	(1)
North Central Region	101.7	94.9
East North Central Div.	96.7	90.5
Ohio	19.8	20.4
Indiana	BB	(1)
Illinois	38.0	33.3
Michigan	AA	(D)
Wisconsin	34.8	32.9
West North Central Div.	4.9	4.4
Minnesota	3.1	2.6
Missouri	AA	(1)
South Region	EE	7.8
South Atlantic Div.	1.9	(D)
Maryland	AA	(1)
East South Central Div.	5.4	(D)
Kentucky	AA	(D)
Alabama	AA	(D)
Mississippi	BB	(D)
West South Central Div.	BB	(D)
Arkansas	BB	(D)
Texas	AA	(1)
West Region	BB	4.5
Pacific Div.	BB	(D)
California	BB	3.1
COMMERCIAL HOME CANNING CLOSURES, METAL, EXCLUDING CROWN (34616)		
United States	204.6	147.9
Northeast Region	71.2	(D)
New England Div.	1.1	(D)
Connecticut	1.1	(D)
Middle Atlantic Div.	70.1	49.6
New York	7.8	(1)
New Jersey	29.3	(1)
Pennsylvania	33.1	25.6
North Central Region	96.5	(D)
East North Central Div.	GG	68.6
Indiana	26.6	(1)
Illinois	64.6	51.0
COMMERCIAL HOME CANNING CLOSURES, METAL, EXCLUDING CROWN (34616)--Con.		
North Central Region--Con.		
West North Central Div.	CC	(D)
Missouri	CC	(1)
South Region	18.8	(D)
South Atlantic Div.	9.0	(D)
Maryland	BB	(1)
West Virginia	BB	(1)
Florida	AA	(D)
East South Central Div.	BB	(D)
Tennessee	BB	(1)
Mississippi	AA	(D)
West South Central Div.	CC	(D)
Texas	CC	(D)
West Region	18.1	(D)
Pacific Div.	18.1	7.8
California	18.1	7.8
METAL CROWNS (34617)		
United States	85.4	82.0
Northeast Region	19.8	24.9
New England Div.	AA	(D)
Connecticut	AA	(D)
Middle Atlantic Div.	EE	(D)
New York	CC	(1)
New Jersey	BB	(1)
Pennsylvania	CC	10.0
North Central Region	22.8	22.6
East North Central Div.	FF	(D)
Indiana	BB	(1)
Illinois	12.1	13.3
Wisconsin	CC	(1)
West North Central Div.	AA	(D)
Missouri	AA	(1)
South Region	34.0	(D)
South Atlantic Div.	EE	(D)
Delaware	CC	(1)
Maryland	EE	(1)
East South Central Div.	BB	(D)
Alabama	BB	(1)
West South Central Div.	13.6	(D)
Louisiana	CC	(1)
Texas	CC	(1)
West Region	8.8	(D)
Mountain Div.	AA	(D)
Colorado	AA	(D)
Pacific Div.	CC	(D)
California	CC	(1)
OTHER STAMPED AND PRESSED METAL END PRODUCTS (34618)		
United States	377.3	250.7
Northeast Region	152.8	103.9
New England Div.	46.5	30.6
Massachusetts	18.8	8.9
Rhode Island	CC	(1)
Connecticut	21.5	16.4

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER STAMPED AND PRESSED METAL END PRODUCTS (34618)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	106.3	73.3
New York	38.9	33.6
New Jersey	25.0	9.9
Pennsylvania	42.4	29.8
North Central Region	176.6	111.5
East North Central Div.	147.7	89.7
Ohio	60.7	27.1
Indiana	10.3	11.5
Illinois	52.6	31.7
Michigan	11.2	8.0
Wisconsin	12.8	11.4
OTHER STAMPED AND PRESSED METAL END PRODUCTS (34618)--Con.		
North Central Region--Con.		
West North Central Div.	28.9	21.8
Minnesota	CC	(1)
Iowa	CC	(1)
Missouri	9.8	8.5
South Region	17.0	21.1
South Atlantic Div.	7.7	8.0
West Virginia	2.5	2.9
North Carolina	AA	(D)
South Carolina	BB	(D)
OTHER STAMPED AND PRESSED METAL END PRODUCTS (34618)--Con.		
South Region--Con.		
East South Central Div.	4.7	10.8
Kentucky	BB	1.9
Alabama	BB	(1)
West South Central Div.	4.5	2.3
Oklahoma	AA	(D)
Texas	BB	(1)
West Region	31.0	14.3
Pacific Div.	FF	(D)
Washington	AA	(1)
California	28.4	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes-Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
34510	Screw machine products	1,036.1	1,002.2	742.9	649.9	599.4	428.8	424.8	226.5
3452-	Bolts, nuts, rivets, and washers	1,613.1	1,623.1	1,432.8	1,288.6	1,175.7	859.4	706.4	483.5
34521	Bolts, nuts, and other standard industrial fasteners	983.9	1,110.0	992.9	912.3	843.0	669.6	568.7	446.7
34522	Special industrial fasteners	361.5	358.4	322.9	277.5	241.5	179.4	137.7	(NA)
34523	Headed products, other than industrial fasteners	195.9	127.9	100.1	80.0	76.7			
34520	Bolts, nuts, rivets, and washers, n.s.k.	71.8	(26.8)	(16.9)	(18.9)	14.5	10.5	-	-
3461-	Metal stampings	5,525.2	5,413.3	5,174.3	4,527.3	4,183.5	1,948.1	1,699.9	1,254.4
34611	Vitreous enameled products	66.9	78.9	73.8	81.2	70.1	72.5	67.1	76.4
34612	Job stampings, except automotive	1,076.9	1,143.6	954.5	843.8	756.7	576.2	510.4	342.0
34613	Job stampings, automotive[2]	3,178.2	3,402.4	3,197.6	2,757.5	2,548.0	(NA)	(NA)	(NA)
34614	Stamped and spun utensils, cooking and kitchen, aluminum	148.2	144.7	162.2	116.4	95.7	110.7	92.5	155.1
34615	Stamped and spun utensils, cooking and kitchen, except aluminum	141.6	127.3	124.5	122.8	134.3	113.5	108.4	
34616	Metal commercial closures and metal home canning closures (except crowns)	204.6	178.9	177.2	161.5	147.9	131.1	94.9	45.9
34617	Metal crowns	85.4	84.5	89.1	86.3	82.0	80.8	78.4	60.4
34618	Other stamped and pressed metal end products	377.3	359.3	299.1	269.0	250.7	223.3	246.5	138.9
34610	Metal stampings, n.s.k.	246.1	(106.3)	(106.3)	88.8	98.1	89.0	27.2	34.7
34710	Electroplating, plating and polishing[3]	756.1	687.5	597.1	572.7	501.9	349.7	296.4	172.5
34790	Coating, engraving, and allied services, n.e.c.[3]	404.3	446.6	390.6	364.7	286.5	184.1	95.9	60.8

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data.

[2]Data for 1963 to 1966 have been revised by the inclusion of automotive stamping operated by automobile producing companies. Prior to this revision, most of these products were classified as automotive parts.

[3]Represents only work done by establishments classified in the industry to which the product (service) is primary.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3451.--SCREW MACHINE PRODUCTS					
	Materials, parts, containers, and supplies, total	.....	(X)	316.1	(X)	183.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	328.2	85.0	225.6	55.7
331012	Sheet and strip	...do.....	11.1	2.3	2.9	0.6
331017	Wire and wire products	...do.....	12.0	2.8	4.8	1.1
331013	Plates	...do.....	0.6	0.2	0.4	0.1
331019	All other carbon steel mill shapes and forms	...do.....	7.7	1.6	3.3	1.0
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	28.3	9.3	17.3	6.1
331029	All other alloy steel mill shapes and forms	...do.....	(NA)	1.4	1.0	0.9
331031	Stainless steel mill shapes and forms	...do.....	11.5	17.0	6.3	8.4
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	13.4	8.0	2.9	1.3
334102	Rod, bar, and mechanical wire	...do.....	84.4	41.6	79.8	30.1
335123	Plate, sheet, and strip	...do.....	0.3	0.7	(Z)	0.1
335127	Pipe and tube	...do.....	4.5	2.3	1.6	0.7
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	5.9	3.9	0.3	0.2
335205	Extruded shapes	...do.....	18.0	12.0	7.3	4.7
335209	All other aluminum mill shapes and forms	...do.....	7.4	5.2	3.8	2.6
	Castings (rough and semifinished):[1]					
332300	Steel castings	1,000 short tons.	3.7	2.8	3.1	1.5
307902	Plastic rods, tubes, and other shapes	.....	(NA)	0.6	(NA)	0.6
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	65.2	(X)	37.7
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	54.2	(X)	30.3
	INDUSTRY 3452.--BOLTS, NUTS, RIVETS, AND WASHERS					
	Materials, parts, containers, and supplies, total	.....	(X)	556.3	(X)	433.6
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	329.5	57.4	304.0	51.1
331012	Sheet and strip	...do.....	184.9	35.3	131.1	23.3
331013	Plates	...do.....	34.0	4.3	21.9	2.4
331017	Wire and wire products	...do.....	666.6	136.6	653.9	128.0
331019	All other carbon steel mill shapes and forms	...do.....	41.8	7.9	48.7	10.9
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	58.2	17.3	51.8	14.1
331029	All other alloy steel mill shapes and forms	...do.....	51.2	17.5	48.9	15.3
331031	Stainless steel mill shapes and forms	...do.....	15.0	21.2	15.3	20.5
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Millions of lbs...	3.9	2.9	[3]0.5	[3]0.6
335102	Rod, bar, and mechanical wire	...do.....	52.3	36.6	33.6	18.1
335127	Pipe and tube	...do.....				
335123	Sheet, plate, and strip	...do.....			13.7	7.0
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	32.8	16.1	2.4	1.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....			2.2	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....			11.5	7.1
332300	Steel castings (rough and semifinished)[4]	1,000 short tons..	4.6	3.6	6.9	4.3
307902	Plastic rods, tubes, and other shapes	.....	(X)	132.8	(X)	0.7
970099	All other materials and components, parts, containers, and supplies consumed	.....			(X)	100.6
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	66.8	(X)	27.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3461.--METAL STAMPINGS					
	Materials, parts, containers, and supplies, total	.....	(X)	2,625.8	(X)	[5]2,076.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	145.8	33.9	111.7	19.0
331012	Sheet and strip	...do.....	8,191.3	1,300.1	[5]7,323.2	[5]1,079.4
331013	Plates	...do.....	133.8	19.9	106.3	15.0
331015	Structural shapes	...do.....	9.6	3.0	14.5	2.9
331017	Wire and wire products	...do.....	73.2	15.3	[5]51.2	[5]9.9
331018	Tinplate, terne plate, and black plate	...do.....	498.3	99.9	457.2	89.2
331019	All other carbon steel mill shapes and forms	...do.....	[6]37.9	[6]8.4	35.2	7.4
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	11.5	4.6	4.6	3.0
331029	All other alloy steel mill shapes and forms	...do.....	143.1	35.4	95.2	24.0
331031	Stainless steel	...do.....	85.3	96.6	67.0	74.0
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	4.0	3.7	2.1	1.2
335102	Rod, bar, and mechanical wire	...do.....	8.4	3.9	19.0	7.7
335123	Plate, sheet, and strip	...do.....	35.5	28.2	62.6	33.9
335127	Pipe and tube	...do.....	([7])	([7])	3.5	2.9
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	248.1	115.3	212.4	92.3
335205	Extruded shapes	...do.....	37.1	19.4	24.4	12.1
335209	All other aluminum mill shapes and forms	...do.....	5.7	2.9	9.8	4.6
333348	Zinc and zinc-base alloy refinery shapes	1,000 short tons	10.3	3.3	12.1	3.5
	Castings (rough and semifinished):[8]					
332011	Iron (gray and malleable)	...do.....	([9])	([9])	[5]32.4	[5]9.7
336100	Aluminum and aluminum-base alloy	Million lbs.....	10.7	6.2	1.4	1.1
336200	Copper and copper-base alloy	...do.....	22.8	16.9	1.8	0.9
282140	Thermosetting resins	Million lbs. dry basis.....	9.9	2.9	43.2	7.7
282130	Thermoplastic resins	...do.....	55.4	13.6	47.4	9.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	556.0	(X)	[5]455.9
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	236.4	(X)	109.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]In 1967 there were, in addition 5.5 thousand short tons of steel castings produced and consumed in the same establishment. The comparable figure for 1963 was 1.9 thousand.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]These figures include "Insulated wire and cable."

[4]In 1967, there were in addition 3.2 thousand short tons of steel castings produced and consumed in the same establishments. Data for 1963 are not available.

[5]Data for these materials have been revised to include the consumption of materials by automotive stampings plants operated by automobile producing companies. Most of these plants had previously been classified in the automotive industry.

[6]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[7]Included with material code 970099 "All other materials and components, etc."

[8]No data are available for the quantities of castings produced and consumed in the same establishment.

[9]Data are included with material code 970099 "All other materials and components, etc., to avoid disclosing the operations of individual companies.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Screw machine products (SIC 3451)	Bolts, nuts, rivets, and washers (SIC 3452)	Metal stampings (SIC 3461)	Plating and polishing (SIC 3471)	Metal coating and allied services (SIC 3479)
	Cost of purchased fuels and electric energy, total....	Million dollars.	9.4	17.1	62.4	27.4	10.8
	Cost of purchased fuels, total.....	...do.....	2.7	7.0	20.6	10.4	6.0
121005	Coal (anthracite, bituminous, and lignite):						
	Quantity.....	1,000 tons.....	1.7	47.0	408.3	25.4	0.8
	Cost.....	Million dollars.	(Z)	0.4	3.0	0.1	(Z)
	Fuel oil, total:						
	Quantity.....	1,000 barrels...	110.3	367.0	680.0	486.1	144.7
	Cost.....	Million dollars.	0.4	1.2	2.3	1.5	0.5
291141	Distillate:						
	Quantity.....	1,000 barrels...	101.0	195.4	371.9	262.3	125.5
	Cost.....	Million dollars.	0.3	0.7	1.4	0.9	0.4
291151	Residual:						
	Quantity.....	1,000 barrels...	10.8	171.6	308.1	223.8	19.2
	Cost.....	Million dollars.	0.1	0.5	0.9	0.6	0.1
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):						
	Quantity.....	Million cu. ft..	1.2	6.0	13.3	7.0	5.3
	Cost.....	Million dollars.	0.7	4.0	8.3	4.5	2.6
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.2	0.2	1.8	0.7	0.2
	Fuels, n.s.k.....	...do.....	1.4	1.2	5.2	3.5	2.7
	Purchased electric energy:						
	Quantity.....	Million kw.-hrs.	397.5	753.6	3,229.5	898.3	247.6
	Cost.....	Million dollars.	6.7	10.1	41.8	17.0	4.8
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	-	-	10.8	0.2	1.4
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	1,290.2	3,417.2	10,858.2	9,058.2	3,557.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3451	SCREW MACHINE PRODUCTS										
	ENTIRE INDUSTRY	1 874	49.0	349.1	41.5	88.2	258.5	641.5	386.2	1 021.5	49.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 782	44.5	314.7	37.9	80.3	234.1	577.5	352.5	924.C	44.7
3452	BOLTS, NUTS, RIVETS, AND WASHERS										
	ENTIRE INDUSTRY	662	67.2	498.1	52.2	108.5	347.2	979.4	690.1	1 643.9	70.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	619	59.3	441.4	46.1	95.4	306.9	867.6	622.2	1 468.8	63.8
34521	BOLTS, NUTS, OTHER STANDARD INDUSTRIAL FASTENERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	313	43.1	316.5	33.4	68.8	225.1	613.8	440.3	1 036.6	40.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	255	26.0	189.1	20.0	42.0	132.4	388.2	279.5	659.6	23.8
34522	SPECIAL INDUSTRIAL FASTENERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	70	16.6	128.2	12.8	27.8	86.9	259.7	155.0	406.7	19.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	45	7.3	56.4	5.6	11.5	36.6	116.8	67.4	180.0	10.0
34523	HEADED PRODUCTS, OTHER THAN INDUSTRIAL FASTENERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	66	4.3	33.1	3.4	6.8	21.2	65.7	59.2	125.2	7.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	59	4.2	32.3	3.3	6.6	20.7	64.2	58.1	122.6	7.0
3461	METAL STAMPINGS										
	ENTIRE INDUSTRY	2 710	225.9	1 685.5	187.0	379.8	1 272.4	3 030.8	2 874.7	5 893.7	195.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	2 442	189.0	1 413.4	157.6	319.9	1 073.9	2 580.6	2 452.8	5 022.5	164.0
34611	VITREOUS ENAMELED PRODUCTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	31	4.3	25.7	3.6	7.0	18.7	41.5	34.9	76.8	1.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	20	3.2	17.6	2.7	5.2	12.7	26.7	25.2	52.3	.8
34612	JOB STAMPINGS, EXCEPT AUTOMOTIVE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	790	54.4	362.6	44.5	91.6	261.9	630.6	515.5	1 147.0	43.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	558	34.1	226.3	27.9	57.0	162.0	395.6	336.7	732.7	28.8
34613	JOB STAMPINGS, AUTOMOTIVE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	369	106.7	904.1	89.3	181.8	709.2	1 618.6	1 659.0	3 273.0	97.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	276	89.1	758.3	75.0	152.6	599.6	1 383.8	1 424.6	2 801.8	87.6
34614	STAMPED, SPUN ALUM. COOKING, KITCHEN UTENSILS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	23	7.2	43.0	5.8	11.6	31.0	103.0	96.8	196.3	7.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	1.6	10.6	1.3	2.7	7.4	34.8	25.3	57.5	4.6
34615	OTHER STAMPED, SPUN UTENSILS, COOKING, KITCHEN										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	55	7.1	45.0	5.6	11.0	30.7	88.9	77.6	165.8	4.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	37	3.7	22.8	3.0	5.8	15.1	48.2	38.9	87.1	2.4
34616	COML. HOME CANNING CLOSURES, METAL, EXC. CROWN										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	34	6.9	46.0	5.7	11.1	34.7	99.6	100.9	198.8	8.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	29	6.5	43.8	5.4	10.3	33.0	94.1	94.4	187.0	7.8
34617	METAL CROWNS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	19	3.7	27.9	3.0	6.3	20.6	54.4	74.8	128.0	6.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	14	1.5	11.0	1.2	2.5	7.2	19.9	25.2	44.8	1.6
34618	OTHER STAMPED AND PRESSED METAL END PRODUCTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	257	19.2	125.2	15.8	32.5	90.1	209.8	186.7	394.1	12.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	200	12.2	79.0	10.2	20.9	58.0	140.0	113.9	252.2	7.7
3471	PLATING AND POLISHING										
	ENTIRE INDUSTRY	3 241	55.1	323.2	46.8	92.5	239.1	574.8	218.1	791.1	33.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	3 054	48.9	286.7	41.6	82.1	211.9	506.0	195.7	700.2	28.9
3479	METAL COATING AND ALLIED SERVICES										
	ENTIRE INDUSTRY	1 443	26.2	158.2	22.2	44.9	116.9	289.6	185.4	471.3	22.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 335	22.5	135.7	19.3	38.9	101.3	248.9	163.5	409.3	18.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a seperate subject chapter titled "Selected Metalworking Operation")

MISCELLANEOUS METAL PRODUCTS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3481--Miscellaneous Fabricated Wire Products
3491--Metal Shipping Barrels, Drums, Kegs, and Pails
3492--Safes and Vaults
3493--Steel Springs
3494--Valves and Pipe Fittings, Except Plumbers' Brass Goods
3496--Collapsible Tubes
3497--Metal Foil and Leaf
3498--Fabricated Pipe and Fabricated Pipe Fittings
3499--Fabricated Metal Products, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3481--MISCELLANEOUS FABRICATED WIRE PRODUCTS

This industry comprises establishments primarily engaged in manufacturing miscellaneous fabricated wire products from purchased wire. Rolling mills engaged in manufacturing wire products are classified in Major Group 33; establishments manufacturing nonferrous wire nails and spikes in industry 3399; those drawing and insulating nonferrous wire in industry 3357; and those assembling wire bedsprings or seats are classified in Major Group 25. For a detailed list of products of industry 3481, refer to table 6A, product codes 3481111 to 3481998.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Miscellaneous Fabricated Wire Products Industry in 1967 totaled $1,220 million. This included shipments of miscellaneous fabricated wire products (primary products), valued at $1,090 million, shipments of other products (secondary products) valued at $80 million, and miscellaneous receipts (mainly resales) of $50 million.

This industry's shipments of miscellaneous fabricated wire products (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 93 percent. Secondary products shipped by this industry in 1967 included steel springs ($23 million), and metal stampings ($8 million).

Industry 3481 shipments of miscellaneous fabricated wire products (primary products) in 1967 represented 59 percent (coverage ratio) of these products valued at $1,833 million shipped by all industries. In 1963, the coverage ratio was 65 percent. Other industries shipping miscellaneous fabricated wire products (primary products) included industry 3493, Steel Springs, $14 million; industry 3441 Fabricated Structural Steel, $7 million; and industry 3449, Miscellaneous Metalwork, $7 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3481, these establishments accounted for approximately 2 percent of payroll and 2 percent of value added by manufacture.

3491--METAL SHIPPING BARRELS, DRUMS, KEGS, AND PAILS

This industry comprises establishments primarily engaged in manufacturing ferrous and nonferrous shipping barrels, drums, kegs, and pails. For a detailed list of products of industry 3491, refer to table 6A, product codes 3491121 to 3491319.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Barrels, Drums, and Pails Industry in 1967 totaled $371 million. This included shipments of metal barrels, drums, and pails (primary products), valued at $331 million, shipments of other products (secondary products), valued at $29 million, and miscellaneous receipts of $11 million.

This industry's shipments of metal barrels, drums, and pails (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 92 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 66 percent of the total industry shipments are represented by plants specializing in product class 34912, steel shipping barrels and drums (over 12 gallon capacity); and 21 percent in 34911, steel shipping pails (12 gallon capacity and under).

Industry 3491 shipments of metal barrels, drums, and pails (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $378 million shipped by all industries. In 1963, the coverage ratio was 86 percent. Other industries shipping metal barrels, drums, and pails (primary products) consisted mainly of industry 3461, Metal Stampings, $13 million; and industry 3411, Metal Cans, $11 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3491, these establishments accounted for approximately less than 1 percent, of payroll and less than 1 percent of value added by manufacture.

3492--SAFES AND VAULTS

This industry comprises establishments primarily engaged in manufacturing fire or burglary resistive steel safes and vaults (except concrete grave vaults, industry 3272, and metal grave vaults, industry 3994), and similar fire or burglary resistive products. For a detailed list of products of industry 3492, refer to table 6A, product codes 3492015 to 3492098.

The code number as well as the definition of this induatry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Safes and Vaults Industry in 1967 totaled $99 million.

This industry's shipments of safes and vaults (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 81 percent.

Industry 3492 shipments of safes and vaults (primary products) in 1967 represented 85-90 percent (coverage ratio) of these products valued at $80 million shipped by all industries. In 1963, the coverage ratio was 90-95 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3492, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3493--STEEL SPRINGS

This industry comprises establishments primarily engaged in manufacturing leaf springs, hot wound springs, and coiled flat springs. Establishments primarily engaged in manufacturing wire springs are classified in industry 3481, and rolling mills manufacturing steel springs in industry 3312. For a detailed list of products of industry 3493, refer to table 6A, product codes 3493004 to 3493098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Steel Springs Industry in 1967 totaled $192 million. This included shipments of steel springs (primary products), valued at $165 million, shipments of other products (secondary products) valued at $22 million, and miscellaneous receipts (mainly resales) of $5 million.

This industry's shipments of steel springs (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent. Secondary products shipped by this industry in 1967 consisted mainly of miscellaneous fabricated wire products ($14 million).

Industry 3493 shipments of steel springs (primary products) in 1967 represented 63 percent (coverage ratio) of these products valued at $264 million shipped by all industries. In 1963, the coverage ratio was 67 percent. Other industries shipping steel springs (primary products) consisted mainly of industry 3714, Motor Vehicle Parts and Accessories, $45 million; and industry 3481, Miscellaneous Fabricated Wire Products, $23 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3493, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3494--VALVES AND PIPE FITTINGS, EXCEPT PLUMBERS' BRASS GOODS

This industry comprises establishments primarily engaged in manufacturing valves for controlling the flow of liquids or gases in pipes and mains, and for machinery. Establishments primarily engaged in manufacturing faucets, spigots, and similar plumbers' brass goods and fittings are classified in industry 3432. For a detailed list of products of industry 3494, refer to table 6A, product codes 3494121 to 3494679.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Valves and Pipe Fittings Industry in 1967 totaled $2,275 million. This included shipments of valves and pipe fittings (primary products), valued at $1,856 million, shipments of other products (secondary products) valued at $286 million, and miscellaneous receipts (mainly resales) of $133 million.

This industry's shipments of valves and pipe fittings (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 included pumps and compressors ($33 million), aircraft engines and engine parts ($21 million), and refrigeration machinery ($19 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3494 shipments of valves and pipe fittings (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $2,103 million shipped by all industries. In 1963, the coverage ratio was 85 percent. Other industries shipping valves and pipe fittings (primary products) included industry 3561, Pumps and Compressors, $42 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3494, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3496--COLLAPSIBLE TUBES

This industry comprises establishments primarily engaged in manufacturing collapsible tubes defined as cylindrical containers for viscous products, made of thin flexible metal, usually of tin, tin-lined lead, lead, lead-tin alloy or aluminum, with integral shoulder and neck, provided with an appropriate size opening in the throat, and usually with a screw cap made of plastic material for closure over the neck. For a detailed list of products of industry 3496, refer to table 6A, product codes 3496011 to 3496029.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Collapsible Tubes Industry in 1967 totaled $65 million. This included shipments of collapsible tubes (primary products), valued at $51 million, shipments of other products (secondary products) valued at $13 million, and miscellaneous receipts (mainly resales) of $1 million.

This industry's shipments of collapsible tubes (primary products) in 1967 represented 80 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent.

Industry 3496 shipments of collapsible tubes (primary products) in 1967 represented 100 percent (coverage ratio) of these products valued at $51 million shipped by all industries. In 1963, the coverage ratio was also 100 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3494, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3497--METAL FOIL AND LEAF

This industry comprises establishments primarily engaged in manufacturing aluminum, gold, silver, tin, and other metal foil (including converted metal foil) and leaf. Establishments primarily engaged in manufacturing plain aluminum foil are classified in industry 3352. For a detailed list of products of industry 3497, refer to table 6A, product codes 3497020 to 3497057.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metal Foil and Leaf Industry in 1967 totaled $266 million. This included shipments of metal foil and leaf (primary products), valued at $215 million, shipments of other products (secondary products) valued at $38 million, and miscellaneous receipts of $13 million.

This industry's shipments of metal foil and leaf (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent.

Industry 3497 shipments of metal foil and leaf (primary products) in 1967 represented 56 percent (coverage ratio) of these products valued at $386 million shipped by all industries. In 1963, the coverage ratio was 41 percent. Other industries shipping metal foil and leaf (primary products) consisted mainly of industry 3352, Aluminum Rolling and Drawing, $113 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3497, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3498--FABRICATED PIPE AND FABRICATED PIPE FITTINGS

This industry comprises establishments primarily engaged in fabricating pipe and pipe fittings from purchased pipe, by cutting, threading, bending, etc. Establishments primarily engaged in manufacturing cast iron pipe and fittings, including cast and forged pipe fittings which have been machined and threaded, are classified in industry 3321; welded and heavy riveted pipe in industry 3317; and seamless steel pipe in industry 3317. Establishments primarily engaged in manufacturing products such as bannisters, railings, and guards from pipe are classified in industry 3446. For a detailed list of products of industry 3498, refer to table 6A, product codes 3498013 to 3498019.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Fabricated Pipe and Fittings Industry in 1967 totaled $508 million. This included shipments of fabricated pipe and fittings (primary products), valued at $440 million, shipments of other products (secondary products) valued at $23 million, and miscellaneous receipts (mainly resales) of $45 million.

This industry's shipments of fabricated pipe and fittings (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent.

Industry 3498 shipments of fabricated pipe and fittings (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $486 million shipped by all industries. In 1963, the coverage ratio was 91 percent. Other industries shipping fabricated pipe and fittings (primary products) included industry 3494, Valves and Pipe Fittings, $11 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3498, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3499--FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing fabricated metal products, not elsewhere classified. Establishments primarily engaged in manufacturing advertising novelties are classified in industry 3993. For a detailed list of products of industry 3499, refer to table 6A, product codes 3499043 to 3499059.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Fabricated Metal Products, N.E.C., Industry in 1967 totaled $982 million. This included shipments of fabricated metal products, n.e.c. (primary products), valued at $837 million, shipments of other products (secondary products) valued at $92 million, and miscellaneous receipts (mainly resales) of $53 million.

This industry's shipments of fabricated metal products, n.e.c. (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent. Secondary products shipped by this industry in 1967 included general industrial machinery ($7 million).

Industry 3499 shipments of fabricated metal products, n.e.c., (primary products) in 1967 represented 71 percent (coverage ratio) of these products valued at $1,173 million shipped by all industries. In 1963, the coverage ratio was 62 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3499, these establishments accounted for approximately 2 percent of payroll and 2 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3481.--MISCELLANEOUS FABRICATED WIRE PRODUCTS													
1967 Census....	1,550	613	60.2	364.0	49.3	99.0	257.2	669.5	553.0	1,220.4	37.8	171.9	93	59
1966 ASM[1].....	(NA)	(NA)	64.6	386.4	53.3	111.0	274.8	710.2	596.8	1,299.9	43.3	186.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	59.3	342.3	49.1	100.4	244.3	633.1	553.4	1,178.0	30.3	180.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	59.9	331.5	48.8	100.7	238.3	586.8	530.8	1,108.8	26.9	167.4	(NA)	(NA)
1963 Census....	1,567	557	55.5	297.6	45.1	92.1	213.3	539.1	490.9	1,030.9	24.8	150.7	93	65
1962 ASM[1].....	(NA)	(NA)	60.4	325.6	48.4	100.6	226.6	561.4	512.3	1,067.8	32.5	152.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	57.4	300.3	45.8	94.9	208.1	510.5	472.3	983.6	22.5	142.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	60.9	307.2	48.9	99.5	218.0	518.9	494.4	1,016.4	28.7	140.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	60.7	308.9	49.3	103.4	222.7	535.3	520.5	1,053.0	24.9	144.2	(NA)	(NA)
1958 Census[2]...	1,463	538	55.5	261.0	44.1	86.3	184.4	439.9	426.0	874.9	18.1	140.2	91	64
	INDUSTRY 3491.--METAL BARRELS, DRUMS, AND PAILS													
1967 Census....	149	96	11.6	83.5	9.1	19.4	59.9	150.6	221.5	370.7	15.0	57.1	92	88
1966 ASM[1].....	(NA)	(NA)	11.9	81.3	9.7	19.9	58.4	146.2	214.6	361.7	11.1	57.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	11.0	73.9	9.0	18.2	53.1	140.6	208.0	347.0	6.7	60.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	10.5	70.6	8.4	17.6	50.8	124.8	194.0	317.3	*7.5	54.9	(NA)	(NA)
1963 Census....	145	93	10.5	66.6	8.5	17.7	49.1	119.6	183.9	303.4	6.4	49.5	92	86
1962 ASM[1].....	(NA)	(NA)	9.6	62.2	7.6	16.0	45.1	104.4	175.0	279.5	*5.6	43.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	9.2	55.5	7.3	14.8	39.9	97.2	158.5	257.1	4.1	44.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	9.8	55.6	7.8	14.9	39.0	93.6	163.2	256.3	5.7	43.8	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	*9.4	*54.8	*7.7	*15.3	*40.2	*105.7	*171.5	*277.6	*4.2	*37.7	(NA)	(NA)
1958 Census[2]...	126	75	9.5	53.2	7.6	15.2	38.8	96.2	153.1	250.3	5.3	46.5	92	86
	INDUSTRY 3492.--SAFES AND VAULTS													
1967 Census....	32	18	3.8	26.6	2.6	4.9	16.4	67.1	33.5	98.7	3.1	21.4	87	85-90
1966 ASM[1].....	(NA)	(NA)	3.6	25.1	2.4	4.8	16.0	64.4	28.7	91.8	2.7	18.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	3.5	23.1	2.3	4.8	14.9	59.0	27.5	86.6	*3.4	16.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	3.3	22.5	2.2	4.7	13.9	56.5	25.6	82.7	1.5	15.5	(NA)	(NA)
1963 Census....	32	15	3.3	21.8	2.3	4.8	14.0	56.2	24.3	78.0	1.8	15.7	81	90-95
1962 ASM[1].....	(NA)	(NA)	3.3	20.8	2.1	4.4	12.3	50.9	20.6	71.3	0.9	14.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	3.4	20.2	2.2	4.5	12.2	49.2	20.7	69.5	1.3	14.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	3.6	19.3	2.4	4.7	12.3	46.6	20.1	66.2	0.5	12.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	3.7	20.1	2.4	4.8	12.6	44.2	19.4	62.3	1.0	12.8	(NA)	(NA)
1958 Census[2]...	33	12	3.5	15.8	2.3	4.4	10.7	39.5	18.5	58.8	0.7	10.7	82	97
	INDUSTRY 3493.--STEEL SPRINGS													
1967 Census....	114	61	7.7	53.9	6.2	12.6	39.8	92.0	100.4	192.4	6.3	30.0	88	63
1966 ASM[1].....	(NA)	(NA)	5.9	41.3	4.8	9.9	30.9	69.7	92.8	162.2	2.4	23.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	5.9	40.3	4.7	9.7	30.1	61.5	90.0	151.4	1.8	23.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.8	39.2	4.6	9.7	29.8	67.0	85.0	151.9	*1.6	21.6	(NA)	(NA)
1963 Census....	96	49	6.3	41.3	5.1	10.6	31.4	69.3	89.1	157.7	2.0	21.1	91	67
1962 ASM[1].....	(NA)	(NA)	7.0	45.7	5.5	11.6	33.7	77.3	88.6	165.1	3.0	24.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.4	38.6	4.9	9.9	27.7	60.5	70.9	131.1	*2.0	23.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.6	40.3	5.2	10.7	29.7	65.4	79.3	143.3	2.6	22.8	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.1	40.8	5.6	11.0	29.5	67.6	84.2	150.4	*2.1	26.5	(NA)	(NA)
1958 Census[2]...	90	53	6.8	35.6	5.2	10.0	25.5	54.1	65.6	120.5	1.7	21.5	81	69
	INDUSTRY 3494.--VALVES AND PIPE FITTINGS													
1967 Census....	666	412	95.3	683.5	67.8	139.0	429.8	1,377.3	936.8	2,274.5	100.0	599.9	87	88
1966 ASM[1].....	(NA)	(NA)	92.2	642.4	66.1	138.7	410.6	1,321.6	932.6	2,209.0	67.9	540.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	87.9	580.4	63.1	129.6	368.8	1,165.7	817.5	1,933.9	44.4	477.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	81.9	533.5	59.1	123.3	344.7	1,003.9	711.8	1,691.5	*45.5	407.8	(NA)	(NA)
1963 Census....	646	374	80.4	500.0	58.1	116.9	321.2	942.7	652.0	1,588.5	39.0	385.4	86	85
1962 ASM[1].....	(NA)	(NA)	81.3	491.4	57.9	116.4	311.7	933.0	655.2	1,570.5	38.4	389.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	76.4	446.4	54.2	107.4	277.7	820.9	616.4	1,418.5	29.9	357.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	75.0	424.6	54.2	105.7	273.0	769.0	577.5	1,343.3	32.0	335.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	76.0	424.4	56.1	110.7	280.4	820.9	573.4	1,357.1	35.1	327.8	(NA)	(NA)
1958 Census[2]...	590	347	76.8	410.2	55.9	110.6	269.6	732.6	512.9	1,264.0	34.1	284.5	89	88

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3496.--COLLAPSIBLE TUBES														
1967 Census	19	18	4.3	23.6	3.9	7.6	18.7	38.5	26.8	65.0	4.1	7.1	80	100
1966 ASM[1]	(NA)	(NA)	4.5	23.3	4.1	8.0	18.7	38.8	26.3	65.0	3.2	6.6	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	4.3	20.4	3.9	7.7	16.1	36.6	24.6	60.9	1.4	6.3	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	4.1	19.7	3.7	7.2	15.6	33.8	21.9	55.1	1.9	6.2	(NA)	(NA)
1963 Census	24	19	4.0	18.8	3.5	6.9	14.8	30.6	20.4	51.0	1.9	5.0	88	100
1962 ASM[1]	(NA)	(NA)	4.1	18.4	3.6	7.2	16.3	28.9	19.2	47.6	2.1	5.0	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	4.2	18.1	3.4	7.3	16.2	27.4	20.5	48.0	0.8	5.1	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	4.0	17.5	3.5	7.1	15.6	28.9	19.9	48.6	1.2	4.6	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	4.0	17.3	3.6	7.2	15.4	28.4	20.8	48.7	2.1	4.9	(NA)	(NA)
1958 Census[2]	22	20	3.8	16.1	3.4	6.9	12.5	25.3	19.2	44.7	1.6	3.9	91	100
INDUSTRY 3497.--METAL FOIL AND LEAF														
1967 Census	72	46	6.6	48.7	4.8	10.3	31.1	104.9	160.0	265.5	10.6	37.4	85	56
1966 ASM[1r]	(NA)	(NA)	4.7	34.3	3.4	7.4	22.1	64.5	103.4	165.9	6.6	27.3	(NA)	(NA)
1965 ASM[1r]	(NA)	(NA)	4.3	30.9	2.8	6.7	18.4	51.7	114.0	164.0	5.5	25.6	(NA)	(NA)
1964 ASM[1r]	(NA)	(NA)	4.1	28.3	3.0	6.1	18.0	49.3	105.7	156.8	*5.6	23.2	(NA)	(NA)
1963 Census[r]	65	38	4.1	27.1	3.0	6.3	17.7	51.6	99.0	151.6	5.7	24.3	86	41
1962 ASM[1]	(NA)	(NA)	3.5	23.7	2.4	5.5	15.2	48.9	74.5	120.6	*4.9	20.8	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	3.1	20.8	2.2	5.0	13.5	40.2	63.1	102.2	*4.0	17.3	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	3.3	20.9	2.4	5.5	13.5	43.1	66.7	109.5	(S)	17.2	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	3.4	20.8	2.4	5.5	14.2	41.6	70.3	110.1	(S)	18.2	(NA)	(NA)
1958 Census[2]	66	31	3.5	18.7	2.5	5.1	12.1	38.1	59.2	96.4	3.3	12.5	83	52
INDUSTRY 3498.--FABRICATED PIPE AND FITTINGS														
1967 Census	393	197	18.2	129.1	13.4	27.4	86.6	238.5	274.4	508.1	14.4	100.7	95	90
1966 ASM[1]	(NA)	(NA)	16.3	109.9	11.8	24.4	70.3	[r]171.3	287.4	463.0	8.8	74.2	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	15.4	96.5	11.5	22.9	65.6	172.1	221.4	400.5	6.3	84.0	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	14.0	88.1	10.4	21.1	59.6	163.8	185.3	348.0	4.6	72.9	(NA)	(NA)
1963 Census	349	146	13.0	79.1	9.3	18.7	51.7	144.6	161.5	305.6	5.1	69.8	92	91
1962 ASM[1]	(NA)	(NA)	12.1	77.3	8.7	17.8	50.5	130.3	175.3	301.6	3.4	70.7	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	11.8	72.0	8.5	17.0	46.1	136.4	156.3	287.4	*5.2	70.1	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	13.5	77.5	9.7	19.9	50.7	124.3	178.5	305.0	5.2	73.4	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	13.3	78.0	9.7	20.0	50.2	143.4	185.9	327.1	5.5	79.3	(NA)	(NA)
1958 Census[2]	286	136	15.2	84.0	11.1	22.2	55.3	155.6	174.7	330.0	4.1	82.3	89	93
INDUSTRY 3499.--FABRICATED METAL PRODUCTS, N.E.C.														
1967 Census	1,266	464	41.3	260.1	32.8	66.0	176.1	522.2	462.2	981.7	31.9	136.0	90	71
1966 ASM[1]	(NA)	(NA)	37.3	229.4	29.7	59.5	155.7	441.2	429.9	850.3	*30.0	132.6	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	31.0	184.1	24.3	50.5	126.9	353.9	355.6	704.8	26.4	105.6	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	31.3	176.1	24.7	51.1	119.6	318.4	326.2	655.8	21.5	86.8	(NA)	(NA)
1963 Census	1,277	346	28.3	151.9	22.2	45.7	105.1	299.3	276.3	573.2	16.2	91.6	89	62
1962 ASM[1]	(NA)	(NA)	24.1	130.8	18.3	39.1	84.4	237.9	238.4	469.2	*16.6	71.4	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	21.2	112.8	15.8	33.8	69.8	204.0	198.8	401.6	10.7	61.9	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	22.5	112.4	17.0	36.2	72.6	199.8	205.9	403.7	12.6	67.6	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	23.0	108.6	17.9	34.1	73.1	212.3	188.0	397.9	(S)	62.9	(NA)	(NA)
1958 Census[2]	974	213	20.2	93.2	15.6	29.8	62.7	180.1	160.4	340.1	11.4	59.2	88	62

Note: In 1967, 1963, and 1958, the number of companies in industry 3481 was 1,430, 1,464, and 1,371, respectively; in industry 3491: 91, 95, and 78; industry 3492: 28, 28, and 31; industry 3493: 105, 91, and 84; industry 3494: 575, 580, and 549; industry 3496: 15, 18, and 18; industry 3497: 59, 56, and 59; industry 3498: 356, 328, and 273; industry 3499: 1,223, 1,254, and 1,017. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3481.--MISCELLANEOUS FABRICATED WIRE PRODUCTS								
1967 Census	6,047	82	2,008	2.60	.45	.75	11,121	54	6.76
1966 ASM	5,978	83	2,350	2.19	.46	.76	10,988	54	5.67
1965 ASM	5,770	83	2,046	2.43	.47	.76	10,671	54	6.30
1964 ASM	5,539	82	2,064	2.37	.48	.78	9,804	56	5.83
1963 Census	5,361	81	2,043	2.32	.48	.76	9,712	55	5.85
1962 ASM	5,393	80	2,079	2.25	.48	.78	9,300	58	5.58
1961 ASM	5,231	80	2,071	2.19	.48	.79	8,893	59	5.38
1960 ASM	5,047	80	2,036	2.19	.49	.79	8,525	59	5.22
1959 ASM	5,089	81	2,096	2.15	.49	.79	8,817	58	5.18
1958 Census	4,705	80	1,955	2.14	.49	.79	7,930	59	5.10
	INDUSTRY 3491.--METAL BARRELS, DRUMS, AND PAILS								
1967 Census	7,198	78	2,132	3.09	.60	.82	12,983	55	7.76
1966 ASM	6,842	81	2,060	2.93	.59	.82	12,314	56	7.34
1965 ASM	6,703	81	2,032	2.91	.60	.81	12,753	53	7.72
1964 ASM	6,711	80	2,090	2.89	.61	.83	11,853	57	7.09
1963 Census	6,339	81	2,089	2.77	.61	.83	11,383	56	6.75
1962 ASM	6,480	80	2,090	2.83	.63	.85	10,886	60	6.54
1961 ASM	6,031	79	2,024	2.71	.62	.83	10,560	57	6.59
1960 ASM	5,689	80	1,901	2.62	.64	.85	9,581	59	6.29
1959 ASM	5,826	82	1,990	2.62	.62	.82	11,238	52	6.90
1958 Census	5,602	80	2,010	2.54	.61	.82	10,128	55	6.31
	INDUSTRY 3492.--SAFES AND VAULTS								
1967 Census	7,000	68	1,885	3.35	.34	.61	17,658	40	13.69
1966 ASM	7,049	68	1,997	3.32	.31	.59	18,111	39	13.34
1965 ASM	6,697	67	2,070	3.11	.32	.58	17,087	39	12.31
1964 ASM	6,805	67	2,120	2.95	.31	.58	17,078	40	11.96
1963 Census	6,510	69	2,091	2.91	.31	.59	16,803	39	11.67
1962 ASM	6,311	63	2,121	2.81	.29	.58	15,425	41	11.59
1961 ASM	5,966	64	2,054	2.74	.30	.59	14,555	41	11.05
1960 ASM	5,382	66	1,968	2.63	.30	.60	13,017	41	10.00
1959 ASM	5,387	64	2,023	2.60	.31	.63	11,869	45	9.14
1958 Census	4,533	66	1,901	2.43	.31	.58	11,312	40	8.95
	INDUSTRY 3493.--STEEL SPRINGS								
1967 Census	7,000	81	2,032	3.16	.52	.80	11,948	59	7.30
1966 ASM	6,961	80	2,090	3.11	.57	.83	11,753	59	7.01
1965 ASM	6,804	80	2,061	3.09	.59	.86	10,395	65	6.33
1964 ASM	6,807	81	2,079	3.08	.56	.82	11,612	59	6.93
1963 Census	6,572	81	2,081	2.95	.56	.83	11,024	60	6.52
1962 ASM	6,492	78	2,108	2.91	.54	.81	10,987	59	6.68
1961 ASM	6,068	77	2,024	2.80	.54	.83	9,520	64	6.11
1960 ASM	6,085	79	2,047	2.77	.55	.83	9,872	62	6.11
1959 ASM	5,768	79	1,975	2.67	.56	.83	9,557	60	6.12
1958 Census	5,269	78	1,903	2.56	.54	.84	8,011	66	5.43
	INDUSTRY 3494.--VALVES AND PIPE FITTINGS								
1967 Census	7,172	71	2,050	3.09	.41	.72	14,452	50	9.91
1966 ASM	6,968	72	2,097	2.96	.42	.71	14,337	49	9.53
1965 ASM	6,605	72	2,054	2.85	.42	.72	13,265	50	9.00
1964 ASM	6,516	72	2,085	2.80	.42	.74	12,262	53	8.14
1963 Census	6,218	72	2,011	2.75	.41	.73	11,724	53	8.06
1962 ASM	6,047	71	2,009	2.68	.42	.73	11,479	53	8.01
1961 ASM	5,846	71	1,982	2.58	.43	.75	10,751	54	7.64
1960 ASM	5,662	72	1,950	2.58	.43	.75	10,255	55	7.28
1959 ASM	5,585	74	1,974	2.53	.42	.74	10,805	52	7.41
1958 Census	5,338	73	1,978	2.44	.41	.73	9,534	56	6.62
	INDUSTRY 3496.--COLLAPSIBLE TUBES								
1967 Census	5,488	91	1,949	2.46	.41	.78	8,953	61	5.07
1966 ASM	5,206	91	1,979	2.33	.40	.76	8,672	60	4.84
1965 ASM	4,744	90	1,966	2.10	.40	.74	8,489	56	4.78
1964 ASM	4,800	89	1,962	2.16	.40	.76	8,222	58	4.68
1963 Census	4,720	89	1,956	2.13	.40	.77	7,671	62	4.41
1962 ASM	4,520	89	1,988	2.26	.40	.79	7,103	64	4.00
1961 ASM	4,323	82	2,141	2.20	.43	.80	6,559	66	3.73
1960 ASM	4,435	88	2,046	2.19	.41	.77	7,301	61	4.04
1959 ASM	4,287	88	2,035	2.12	.43	.78	7,042	61	3.92
1958 Census	4,201	88	2,035	1.82	.43	.79	6,582	64	3.69

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3497.--METAL FOIL AND LEAF								
1967 Census	7,379	73	2,146	3.02	.60	.79	15,894	46	10.18
1966 ASM	7,298	72	2,176	3.02	.62	.83	13,723	53	8.72
1965 ASM	7,186	65	2,392	2.75	.70	.88	12,232	60	7.72
1964 ASM	6,902	73	2,033	2.95	.67	.85	12,024	57	8.08
1963 Census	6,609	73	2,100	2.80	.65	.83	12,585	53	8.19
1962 ASM	6,836	70	2,263	2.79	.62	.81	14,116	48	8.97
1961 ASM	6,699	72	2,232	2.72	.62	.82	12,946	52	8.10
1960 ASM	6,378	72	2,310	2.46	.61	.80	13,168	48	7.88
1959 ASM	6,173	72	2,271	2.57	.64	.83	12,310	50	7.50
1958 Census	5,345	72	2,042	2.35	.61	.81	10,875	49	7.39
	INDUSTRY 3498.--FABRICATED PIPE AND FITTINGS								
1967 Census	7,093	74	2,045	3.16	.54	.79	r13,104	54	8.70
1966 ASM	6,732	73	2,059	2.89	.62	.86	r10,509	64	7.02
1965 ASM	6,283	75	1,993	2.86	.55	.79	11,208	56	7.51
1964 ASM	6,277	74	2,030	2.82	.53	.79	11,661	54	7.76
1963 Census	6,080	72	2,004	2.76	.53	.79	11,117	55	7.72
1962 ASM	6,396	72	2,043	2.84	.58	.84	10,775	59	7.33
1961 ASM	6,080	72	1,995	2.72	.54	.79	11,523	53	8.04
1960 ASM	5,759	72	2,042	2.55	.59	.84	9,229	62	6.25
1959 ASM	5,850	73	2,061	2.51	.57	.81	10,757	54	7.17
1958 Census	5,522	73	1,996	2.49	.53	.78	10,229	54	7.00
	INDUSTRY 3499.--FABRICATED METAL PRODUCTS, N.E.C.								
1967 Census	6,298	79	2,012	2.67	.47	.74	12,644	50	7.91
1966 ASM	6,154	80	2,002	2.62	.51	.78	11,838	52	7.41
1965 ASM	5,932	78	2,082	2.51	.50	.77	11,402	52	7.01
1964 ASM	5,620	79	2,071	2.34	.50	.77	10,158	55	6.23
1963 Census	5,368	78	2,057	2.30	.48	.75	10,576	51	6.55
1962 ASM	5,422	76	2,140	2.16	.51	.79	9,860	55	6.09
1961 ASM	5,312	74	2,137	2.06	.50	.78	9,606	55	6.04
1960 ASM	4,989	76	2,124	2.01	.51	.79	8,870	56	5.53
1959 ASM	4,716	78	1,906	2.15	.47	.75	9,218	51	6.23
1958 Census	4,614	77	1,913	2.10	.47	.75	8,917	52	6.04

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. rRevised. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3481-- MISC. FABRICATED WIRE PRODUCTS													
UNITED STATES	1 550	613	60.2	364.0	49.3	99.0	257.2	669.5	553.0	1 220.4	37.8	55.5	539.1
NORTHEAST REGION	542	201	19.5	115.5	15.8	31.2	82.8	220.1	168.9	388.6	8.7	18.2	182.8
NEW ENGLAND DIVISION	149	59	5.1	29.4	4.2	8.6	21.0	47.9	34.9	82.4	2.8	4.4	36.3
MASSACHUSETTS	56	21	1.6	8.4	1.3	2.5	5.8	14.7	12.7	27.6	1.2	1.5	12.8
CONNECTICUT	70	37	3.4	20.4	2.8	5.9	14.8	32.3	21.5	53.1	1.5	2.6	21.4
MIDDLE ATLANTIC DIVISION	393	142	14.4	86.2	11.6	22.6	61.7	172.2	133.9	306.2	6.0	13.9	146.5
NEW YORK	198	70	5.0	27.5	4.1	7.8	19.8	50.6	36.0	86.7	2.1	4.7	41.0
NEW JERSEY	85	27	2.7	17.1	2.2	4.5	12.2	34.1	24.5	58.3	1.0	2.9	35.9
PENNSYLVANIA	110	45	6.6	41.5	5.3	10.3	29.7	87.5	73.4	161.2	2.9	6.3	69.6
NORTH CENTRAL REGION	516	243	26.0	167.3	21.5	43.6	118.4	280.5	230.7	510.9	13.4	25.3	236.8
EAST NORTH CENTRAL DIVISION	436	209	22.8	148.6	18.7	38.0	104.6	246.5	204.8	451.1	11.5	21.9	203.2
OHIO	95	37	3.1	18.8	2.6	5.2	12.8	34.1	29.8	63.8	1.3	2.6	25.5
INDIANA	56	33	3.5	19.5	3.0	5.6	14.2	35.1	28.9	64.0	1.3	3.1	27.2
ILLINOIS	173	78	8.8	57.9	7.2	14.9	40.3	86.3	76.9	162.8	4.4	8.5	74.0
MICHIGAN	88	51	6.4	45.9	5.3	10.7	32.7	79.9	61.4	141.0	3.5	6.8	69.3
WISCONSIN	24	10	.9	6.6	.8	1.6	4.6	11.2	7.9	19.5	1.1	.9	7.2
WEST NORTH CENTRAL DIVISION	80	34	3.2	18.7	2.7	5.6	13.8	34.0	25.9	59.8	1.9	3.4	33.6
MINNESOTA	16	6	.3	1.9	.3	.5	1.4	3.0	2.3	5.3	.1	.5	4.6
IOWA	9	4	.5	2.6	.4	.8	2.0	4.4	3.1	7.4	.1	.6	4.7
MISSOURI	36	17	2.0	11.4	1.6	3.2	8.1	21.3	15.5	36.9	(D)	2.0	20.8
NEBRASKA	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
KANSAS	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.6
SOUTH REGION	227	89	9.6	48.8	7.9	16.1	33.8	108.7	104.7	212.1	11.6	7.2	72.5
SOUTH ATLANTIC DIVISION	89	33	3.7	18.9	3.0	5.9	12.8	44.7	43.2	87.3	4.6	3.0	28.4
MARYLAND	17	5	1.1	6.0	.8	1.5	3.8	17.9	12.9	30.6	.5	1.0	14.5
VIRGINIA	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
NORTH CAROLINA	22	12	1.5	6.6	1.3	2.5	4.7	11.8	15.2	26.9	1.5	1.1	5.7
GEORGIA	11	5	.2	1.2	.2	.3	.7	2.2	2.9	5.1	.1	(D)	(D)
FLORIDA	28	7	.6	3.3	.5	.9	2.2	6.7	8.7	15.2	1.0	.5	5.0
EAST SOUTH CENTRAL DIVISION	51	28	2.9	14.7	2.4	5.0	10.0	34.9	28.4	62.3	5.5	2.4	26.1
KENTUCKY	13	7	1.2	6.6	1.0	2.1	4.5	16.5	12.0	28.2	(D)	(D)	(2)
TENNESSEE	15	10	1.0	4.6	.8	1.6	2.8	8.4	8.2	16.1	.5	.8	6.4
ALABAMA	16	7	.4	2.5	.4	.7	1.9	7.6	5.8	13.2	1.6	.5	7.1
MISSISSIPPI	7	4	.3	1.0	.2	.5	.8	2.4	2.4	4.8	(D)	(D)	(2)
WEST SOUTH CENTRAL DIVISION	87	28	3.0	15.3	2.5	5.2	11.0	29.0	33.2	62.6	1.5	1.7	18.0
ARKANSAS	6	5	.9	4.6	.9	1.9	4.2	7.7	6.4	14.0	1.0	(2)	(2)
OKLAHOMA	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	3.0
TEXAS	67	21	1.9	9.4	1.5	3.0	6.0	17.6	21.4	39.4	.5	1.3	13.2
WEST REGION	265	80	5.1	32.3	4.1	8.1	22.3	60.2	48.7	108.8	4.1	4.9	47.0
MOUNTAIN DIVISION	28	6	.4	2.0	.3	.6	1.4	4.0	3.8	7.7	.3	.3	2.6
COLORADO	12	3	.2	1.1	.2	.3	.8	2.2	2.1	4.3	.2	.1	1.3
PACIFIC DIVISION	237	74	4.7	30.3	3.8	7.5	20.9	56.2	44.9	101.0	3.9	4.6	44.4
WASHINGTON	21	8	.4	1.9	.3	.6	1.3	5.0	3.8	8.7	.5	.3	3.2
OREGON	18	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
CALIFORNIA	194	60	4.0	26.5	3.3	6.5	18.2	46.7	37.8	84.4	2.9	4.1	39.6
3491-- METAL BARRELS, DRUMS, AND PAILS													
UNITED STATES	149	96	11.6	83.5	9.1	19.4	59.9	150.6	221.5	370.7	15.0	10.5	119.6
NORTHEAST REGION	38	24	2.4	17.4	1.9	4.1	12.4	32.5	49.9	82.5	1.7	3.1	36.5
MIDDLE ATLANTIC DIVISION	32	22	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	35.3
NEW YORK	8	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.9
NEW JERSEY	14	11	1.6	12.1	1.3	2.7	8.5	21.9	33.2	55.0	1.0	1.9	23.4
PENNSYLVANIA	10	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	7.9
NORTH CENTRAL REGION	49	34	4.6	34.6	3.6	7.9	24.6	53.4	80.0	133.1	10.2	4.5	51.8
EAST NORTH CENTRAL DIVISION	42	30	4.3	33.0	3.4	7.4	23.3	50.1	74.6	124.5	9.9	4.1	47.0
OHIO	17	15	1.5	11.0	1.2	2.5	8.0	17.3	27.4	44.6	1.8	1.6	15.2
INDIANA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
ILLINOIS	17	12	2.3	19.1	1.8	4.2	13.3	26.9	42.7	69.4	7.5	2.1	27.1
WEST NORTH CENTRAL DIVISION	7	4	.3	1.6	.2	.5	1.4	3.3	5.4	8.7	.3	.4	4.8
SOUTH REGION	38	26	2.6	17.1	2.1	4.4	12.9	34.8	59.5	94.2	2.0	1.8	22.2
SOUTH ATLANTIC DIVISION	12	10	.8	4.7	.7	1.4	3.9	9.7	13.2	22.9	.7	.2	2.7
WEST VIRGINIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
EAST SOUTH CENTRAL DIVISION	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.9
ALABAMA	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST SOUTH CENTRAL DIVISION	17	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	16.6
LOUISIANA	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
TEXAS	9	6	.7	5.2	.6	1.1	3.7	12.0	19.0	30.9	.6	.7	8.8
WEST REGION	24	12	2.0	14.3	1.5	3.0	10.0	30.0	32.1	60.9	1.0	1.1	9.1
PACIFIC DIVISION	21	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	19	11	1.9	13.7	1.4	2.9	9.5	28.9	30.1	57.7	(D)	1.0	8.4

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3492-- SAFES AND VAULTS													
UNITED STATES	32	18	3.8	26.6	2.6	4.9	16.4	67.1	33.5	98.7	3.1	3.3	56.2
NORTH CENTRAL REGION	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	12	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
INDIANA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST REGION	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
3493-- STEEL SPRINGS													
UNITED STATES	114	61	7.7	53.9	6.2	12.6	39.8	92.0	100.4	192.4	6.3	6.3	69.3
NORTHEAST REGION	31	17	2.1	14.4	1.7	3.4	10.8	27.2	29.9	57.4	(D)	1.9	23.6
MIDDLE ATLANTIC DIVISION	22	16	2.0	13.9	1.6	3.3	10.5	26.2	29.4	55.9	(D)	1.9	22.9
NEW YORK	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.7
PENNSYLVANIA	16	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
NORTH CENTRAL REGION	47	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	38.6
EAST NORTH CENTRAL DIVISION	41	29	3.0	30.4	3.2	6.5	22.5	51.0	57.4	108.8	2.2	3.6	38.0
OHIO	8	5	.8	6.3	.6	1.3	4.5	9.8	9.2	19.1	.4	(2)	(2)
INDIANA	4	4	.5	3.4	.4	.8	2.5	7.3	9.6	16.9	.2	(2)	(2)
ILLINOIS	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	6.3
MICHIGAN	18	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	19.6
SOUTH REGION	12	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.3
EAST SOUTH CENTRAL DIVISION	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	24	7	.4	3.1	.3	.6	1.9	4.4	4.6	9.2	.2	.5	4.8
PACIFIC DIVISION	22	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.8
CALIFORNIA	14	4	.3	2.2	.2	.5	1.4	3.2	3.7	7.0	(Z)	.4	4.1
3494-- VALVES AND PIPE FITTINGS													
UNITED STATES	666	412	95.3	683.5	67.8	139.0	429.8	1 377.3	936.8	2 274.5	100.0	80.4	942.7
NORTHEAST REGION	230	133	29.1	208.4	20.4	41.8	129.7	428.0	263.7	676.3	27.9	27.6	304.2
NEW ENGLAND DIVISION	73	37	8.7	60.5	6.1	12.3	37.3	128.6	88.4	212.0	8.9	8.7	88.6
NEW HAMPSHIRE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
MASSACHUSETTS	45	21	5.3	37.5	3.7	7.6	22.0	76.9	53.2	126.5	4.9	5.1	49.8
RHODE ISLAND	10	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
CONNECTICUT	14	8	1.9	11.7	1.3	2.4	7.6	26.9	18.0	43.5	2.0	2.2	22.7
MIDDLE ATLANTIC DIVISION	157	96	20.3	147.8	14.3	29.5	92.4	299.5	175.3	464.3	19.0	18.8	215.5
NEW YORK	45	22	4.4	33.3	3.2	6.8	21.3	58.7	34.2	91.3	4.1	4.2	41.3
NEW JERSEY	47	31	4.8	38.4	3.0	6.2	20.3	80.1	44.4	123.0	3.9	4.0	49.9
PENNSYLVANIA	65	43	11.1	76.1	8.1	16.5	50.8	160.7	96.7	250.0	11.0	10.7	124.3
NORTH CENTRAL REGION	206	140	39.4	292.5	28.1	57.0	182.5	567.9	400.1	954.0	47.7	34.3	414.8
EAST NORTH CENTRAL DIVISION	176	120	31.8	240.6	22.7	45.8	149.4	446.3	330.7	765.6	37.4	29.6	340.9
OHIO	60	43	10.8	78.5	8.0	16.5	52.4	135.4	103.7	240.5	25.0	9.5	106.1
INDIANA	20	15	3.1	22.4	2.3	4.7	13.8	41.8	39.0	80.7	2.2	3.8	45.8
ILLINOIS	51	33	11.7	92.4	7.8	15.2	52.2	162.0	121.8	277.0	4.5	10.5	125.1
MICHIGAN	35	24	4.3	32.0	3.4	7.0	22.2	83.4	46.3	122.7	4.2	4.4	50.7
WISCONSIN	10	5	1.9	15.3	1.2	2.5	8.8	23.6	19.9	44.7	1.6	1.4	13.3
WEST NORTH CENTRAL DIVISION	30	20	7.7	51.9	5.3	11.2	33.1	121.6	69.4	188.4	10.2	4.7	73.9
MINNESOTA	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
IOWA	7	5	3.2	21.5	2.1	4.6	13.1	50.1	23.6	71.3	7.0	2.2	32.3
MISSOURI	9	6	2.9	19.5	2.2	4.3	13.3	49.8	26.5	77.4	2.4	1.5	26.1
NEBRASKA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
KANSAS	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
SOUTH REGION	119	82	18.6	117.8	14.1	28.9	81.1	257.4	188.3	437.9	20.4	12.2	138.3
SOUTH ATLANTIC DIVISION	27	18	2.5	13.9	1.9	3.8	9.6	34.5	19.3	53.1	3.7	1.5	12.9
WEST VIRGINIA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	7	6	1.1	5.6	.7	1.4	3.2	16.0	8.4	23.3	.9	(2)	(2)
GEORGIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA	9	5	.3	1.4	.2	.4	1.1	3.1	1.7	4.6	.3	(2)	(2)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3494-- VALVES AND PIPE FITTINGS-- CON.													
SOUTH REGION-- CON.													
EAST SOUTH CENTRAL DIVISION	19	15	7.6	48.8	6.2	12.5	37.1	104.6	72.3	171.9	7.8	6.0	67.4
KENTUCKY	6	6	2.9	18.9	2.2	4.5	13.2	39.3	34.4	72.0	4.9	(2)	(2)
TENNESSEE	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
ALABAMA	4	3	3.0	19.2	2.6	5.1	15.3	40.7	21.2	60.3	1.5	2.8	29.3
WEST SOUTH CENTRAL DIVISION	73	49	8.5	55.2	6.0	12.6	34.4	118.2	96.7	212.9	8.9	4.6	58.0
ARKANSAS	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
LOUISIANA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
OKLAHOMA	15	10	1.2	7.8	.8	1.7	4.6	16.0	8.3	23.9	1.1	.6	7.7
TEXAS	48	32	5.7	38.7	4.0	8.5	24.2	81.4	75.9	154.6	6.2	3.2	42.4
WEST REGION	111	57	8.1	64.8	5.4	11.3	36.5	123.9	84.7	206.2	4.1	6.4	85.5
MOUNTAIN DIVISION	10	4	.9	6.9	.5	1.2	3.5	11.5	10.1	22.0	.3	.6	9.5
COLORADO	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
PACIFIC DIVISION	101	53	7.3	58.0	4.8	10.1	33.0	112.4	74.6	184.2	3.7	5.8	76.0
CALIFORNIA	94	50	7.1	56.4	4.7	9.8	32.0	108.2	72.7	178.0	3.3	5.6	74.3
3496-- COLLAPSIBLE TUBES													
UNITED STATES	19	18	4.3	23.6	3.9	7.6	18.7	38.5	26.8	65.0	4.1	4.0	30.6
NORTHEAST REGION	10	10	2.9	16.0	2.7	5.2	12.9	24.6	17.7	42.1	3.3	2.7	18.6
NEW ENGLAND DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
MIDDLE ATLANTIC DIVISION	8	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW JERSEY	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
PENNSYLVANIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
NORTH CENTRAL REGION	4	3	.4	1.8	.3	.6	1.4	3.2	2.8	6.0	.2	.4	2.9
EAST NORTH CENTRAL DIVISION	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
SOUTH REGION	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST SOUTH CENTRAL DIVISION	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
3497-- METAL FOIL AND LEAF													
UNITED STATES	72	46	6.6	48.7	4.8	10.3	31.1	104.9	160.0	265.5	10.6	5.0	63.5
NORTHEAST REGION	37	23	2.0	15.2	1.4	3.0	8.6	30.5	45.7	76.6	2.9	(D)	(D)
NEW ENGLAND DIVISION	9	7	.5	3.1	.3	.7	1.9	8.1	8.0	15.9	.2	(D)	(D)
CONNECTICUT	5	4	.4	2.5	.2	.6	1.5	7.0	5.4	12.3	.1	.3	5.4
MIDDLE ATLANTIC DIVISION	28	16	1.6	12.0	1.1	2.3	6.8	22.4	37.7	60.7	2.8	.7	8.3
NEW YORK	11	5	.6	4.0	.4	.8	2.4	9.3	15.4	24.8	.3	(2)	(2)
NEW JERSEY	14	8	.8	6.1	.5	1.2	3.5	10.4	16.9	28.0	2.3	.4	5.7
PENNSYLVANIA	3	3	.3	2.0	.2	.4	.9	2.7	5.4	8.0	.2	(2)	(2)
NORTH CENTRAL REGION	16	11	3.2	24.7	2.3	4.9	15.8	50.2	65.7	116.6	4.5	(D)	(D)
EAST NORTH CENTRAL DIVISION	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
ILLINOIS	8	4	.6	4.0	.4	.8	2.2	11.2	13.8	25.2	(D)	(2)	(2)
WEST NORTH CENTRAL DIVISION	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	12	8	.9	5.9	.8	1.6	4.7	15.8	41.4	57.0	1.5	1.4	17.2
SOUTH ATLANTIC DIVISION	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
GEORGIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	(2)
WEST REGION	7	4	.4	2.9	.3	.8	2.0	8.4	7.1	15.3	1.6	(D)	(D)
MOUNTAIN DIVISION	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARIZONA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	5.7
CALIFORNIA	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3498-- FABRICATED PIPE AND FITTINGS													
UNITED STATES	393	197	18.2	129.1	13.4	27.4	86.6	238.5	274.4	508.1	14.4	13.0	144.6
NORTHEAST REGION	110	57	5.9	40.8	3.8	7.4	22.9	73.3	84.0	155.0	3.1	5.2	60.3
NEW ENGLAND DIVISION	16	8	.4	2.5	.3	.5	1.7	4.5	4.4	8.9	.2	.5	5.6
MASSACHUSETTS	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.6
CONNECTICUT	6	4	.2	1.3	.1	.3	1.0	2.2	2.3	4.4	.1	(2)	(2)
MIDDLE ATLANTIC DIVISION	94	49	5.5	38.2	3.5	6.9	21.2	68.9	79.5	146.1	2.8	4.6	54.7
NEW YORK	25	8	1.0	5.4	.8	1.5	3.8	7.9	12.7	21.3	.4	.6	6.2
NEW JERSEY	22	13	1.0	7.3	.8	1.6	4.4	13.7	19.2	32.4	1.3	1.5	15.9
PENNSYLVANIA	47	28	3.4	25.5	2.0	3.8	13.0	47.2	47.6	92.4	1.1	2.5	32.5
NORTH CENTRAL REGION	120	60	5.5	35.4	4.4	9.0	25.3	63.5	78.7	140.2	6.5	4.0	43.3
EAST NORTH CENTRAL DIVISION	103	56	5.1	33.3	4.1	8.4	23.9	60.0	72.8	130.5	6.4	3.6	42.2
OHIO	31	16	2.1	14.5	1.6	3.3	10.3	28.0	32.0	58.0	4.2	1.8	25.5
INDIANA	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
ILLINOIS	26	15	1.1	6.8	.9	2.1	5.2	12.5	17.8	29.9	1.2	.4	3.9
MICHIGAN	29	16	1.3	8.1	1.0	2.0	5.7	12.8	15.5	28.5	.7	.8	8.4
WISCONSIN	8	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST NORTH CENTRAL DIVISION	17	4	.4	2.1	.3	.6	1.4	3.5	6.0	9.7	.1	.4	1.1
MISSOURI	9	2	.2	1.1	.2	.4	.9	1.7	3.3	5.3	.1	.3	.6
SOUTH REGION	84	48	4.5	36.2	3.5	7.5	26.8	69.7	74.4	144.0	3.5	2.6	25.4
SOUTH ATLANTIC DIVISION	27	13	1.1	7.9	.8	1.7	5.3	13.3	16.6	30.1	(D)	1.0	10.0
DELAWARE	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA	8	6	.3	1.8	.2	.4	1.2	2.8	3.5	6.3	(D)	.1	1.2
EAST SOUTH CENTRAL DIVISION	9	6	.4	2.6	.4	.8	2.0	6.1	7.1	13.1	(D)	(Z)	.4
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST SOUTH CENTRAL DIVISION	48	29	3.0	25.7	2.3	5.0	19.5	50.3	50.7	100.8	2.0	1.5	15.0
LOUISIANA	4	1	.2	1.5	.2	.3	1.1	2.3	1.8	3.9	.2	2(D)	(2)
TEXAS	38	25	2.6	23.0	2.0	4.4	17.5	46.0	47.0	93.0	1.7	1.4	14.4
WEST REGION	79	32	2.3	16.7	1.7	3.5	11.5	32.0	37.3	68.8	1.3	1.3	15.6
MOUNTAIN DIVISION	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	74	29	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	(2)
OREGON	8	3	.4	2.5	.3	.5	1.6	5.5	5.5	10.6	.6	2(D)	(2)
CALIFORNIA	58	24	1.5	11.3	1.1	2.4	7.5	21.6	26.1	47.5	(D)	.9	12.2
3499-- FABRICATED METAL PRODUCTS, NEC													
UNITED STATES	1 266	464	41.3	260.1	32.8	66.0	176.1	522.2	462.0	981.7	31.9	28.3	299.3
NORTHEAST REGION	468	162	12.9	79.1	10.2	20.7	52.4	149.0	119.6	267.9	9.5	9.1	84.6
NEW ENGLAND DIVISION	104	43	3.6	24.9	2.6	5.5	14.9	46.0	34.1	79.1	5.4	2.4	22.3
MASSACHUSETTS	52	21	1.6	10.6	1.2	2.4	6.5	18.7	12.2	30.6	4.1	.9	9.6
RHODE ISLAND	13	2	.6	4.4	.4	.9	2.2	7.3	3.9	11.0	.3	.6	5.1
CONNECTICUT	32	18	1.3	9.3	1.0	2.1	5.7	18.7	17.2	35.5	.9	.8	6.6
MIDDLE ATLANTIC DIVISION	364	119	9.3	54.1	7.6	15.1	37.4	103.1	85.5	188.8	4.2	6.7	62.4
NEW YORK	204	58	3.9	21.8	3.3	6.3	15.4	39.3	30.5	69.7	1.2	3.6	33.9
NEW JERSEY	80	22	2.2	13.5	1.8	3.7	8.9	28.0	23.0	50.9	1.2	1.2	11.2
PENNSYLVANIA	80	39	3.2	18.8	2.5	5.1	13.1	35.8	32.1	68.2	1.8	2.0	17.3
NORTH CENTRAL REGION	424	177	18.0	120.4	14.0	28.3	81.1	241.5	227.2	469.0	15.8	13.5	147.5
EAST NORTH CENTRAL DIVISION	349	146	15.2	103.0	11.8	23.8	69.2	211.5	196.2	407.4	13.9	11.5	127.8
OHIO	83	41	4.0	28.1	2.9	5.7	17.6	53.5	55.8	108.6	1.6	1.9	19.1
INDIANA	28	13	1.5	10.5	1.1	2.4	7.4	20.8	17.7	38.6	1.5	1.5	15.8
ILLINOIS	133	51	5.9	39.6	4.7	9.5	27.2	92.0	85.4	177.1	8.1	4.8	58.4
MICHIGAN	77	31	3.3	22.0	2.6	5.4	15.0	39.2	30.1	70.1	2.4	3.0	29.8
WISCONSIN	28	10	.5	2.9	.4	.8	2.0	6.0	7.2	13.0	.3	.5	4.8
WEST NORTH CENTRAL DIVISION	75	31	2.9	17.5	2.2	4.5	11.9	29.9	30.9	61.7	1.9	2.0	19.6
MINNESOTA	19	12	1.1	7.4	.9	1.8	5.2	12.4	10.4	22.9	.7	.9	9.2
IOWA	14	5	.4	2.7	.4	.8	1.9	3.1	7.1	11.0	(D)	.2	1.5
MISSOURI	24	12	1.2	6.8	.9	1.8	4.4	13.4	12.4	25.7	.7	(2)	(2)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3499-- FABRICATED METAL PRODUCTS, NEC--CON.													
SOUTH REGION	184	64	6.1	31.6	5.1	10.2	23.5	79.8	70.3	149.0	3.6	3.2	39.2
SOUTH ATLANTIC DIVISION	92	32	2.9	15.7	2.5	5.0	12.1	51.2	42.9	93.5	1.8	1.7	26.4
MARYLAND	18	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	10.5
VIRGINIA	12	5	.4	1.8	.3	.6	1.3	4.3	4.7	9.0	.2	(2)	(2)
WEST VIRGINIA	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
NORTH CAROLINA	7	2	.2	.6	.1	.3	.5	1.2	.6	1.8	(Z)	2(D)	(2)
SOUTH CAROLINA	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
GEORGIA	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.6
FLORIDA	35	8	.4	2.0	.3	.6	1.4	4.8	5.6	10.3	.2	.3	2.6
EAST SOUTH CENTRAL DIVISION	29	13	1.7	8.2	1.3	2.7	5.7	15.5	13.3	28.5	1.1	.5	5.3
KENTUCKY	17	7	.8	4.6	.7	1.4	3.3	7.6	6.2	13.9	.4	.3	4.1
ALABAMA	4	4	.2	.9	.2	.3	.6	1.7	2.1	3.8	(D)	(2)	(2)
MISSISSIPPI	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
WEST SOUTH CENTRAL DIVISION	63	19	1.5	7.7	1.3	2.5	5.7	13.1	14.1	27.0	.8	1.0	7.5
LOUISIANA	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.1
OKLAHOMA	12	7	.5	2.4	.4	.7	1.7	4.5	5.0	9.4	.2	(2)	(2)
TEXAS	42	8	.6	3.7	.5	1.1	2.8	6.4	7.2	13.6	.2	.5	2.8
WEST REGION	190	61	4.3	28.9	3.5	6.8	19.1	51.9	45.0	95.7	2.9	2.5	28.0
MOUNTAIN DIVISION	27	11	.7	3.8	.6	1.1	2.9	6.6	6.6	13.0	(D)	(D)	(D)
COLORADO	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.7
ARIZONA[e]	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(2)	(2)
PACIFIC DIVISION	163	50	3.6	25.1	2.9	5.7	16.2	45.3	38.4	82.7	(D)	(D)	(D)
CALIFORNIA	144	49	3.6	24.7	2.8	5.6	15.9	44.6	37.9	81.3	2.7	2.1	23.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under $50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Miscellaneous fabricated wire products (SIC 3481)	Metal barrels, drums, and pails (SIC 3491)	Safes and vaults (SIC 3492)	Steel springs (SIC 3493)	Valves and pipe fittings (SIC 3494)	Collapsible tubes (SIC 3496)	Metal foil and leaf (SIC 3497)	Fabricated pipe and fittings (SIC 3498)	Fabricated metal products, n.e.c. (SIC 3499)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.93	.92	.87	.88	.87	.80	.85	.95	.90
COVERAGE RATIO[2]	.59	.88	85-90	.63	.88	1.00	.56	.90	.71
ESTABLISHMENTS, TOTAL .NUMBER	1 550	149	32	114	666	19	72	393	1 266
WITH 1 TO 19 EMPLOYEES .DO	937	53	14	53	254	1	26	196	802
WITH 20 TO 99 EMPLOYEES .DO	450	58	13	37	209	7	30	146	375
WITH 100 EMPLOYEES OR MORE .DO	163	38	5	24	203	11	16	51	89
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	60.2	11.6	3.8	7.7	95.3	4.3	6.6	18.2	41.3
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	364.0	83.5	26.6	53.9	683.5	23.6	48.7	129.1	260.1
PRODUCTION WORKERS:									
AVERAGE FOR YEAR 1,000	49.3	9.1	2.6	6.2	67.8	3.9	4.8	13.4	32.8
MARCH .DO	49.5	9.4	2.6	6.2	68.0	3.9	4.8	13.4	33.2
MAY .DO	49.0	9.7	2.6	6.1	68.4	3.7	4.6	13.3	32.5
AUGUST .DO	49.6	9.0	2.6	6.2	67.4	4.0	4.9	13.4	32.7
NOVEMBER .DO	49.3	8.4	2.6	6.3	67.6	3.8	5.0	13.3	32.9
MAN-HOURS .MILLIONS	99.0	19.4	4.9	12.6	139.0	7.6	10.3	27.4	66.0
JANUARY-MARCH .DO	24.8	5.0	1.3	3.2	35.4	1.9	2.6	7.0	16.9
APRIL-JUNE .DO	24.5	5.2	1.3	3.2	35.5	1.9	2.5	6.9	16.7
JULY-SEPTEMBER .DO	24.4	4.8	1.1	3.0	33.2	1.9	2.5	6.7	15.9
OCTOBER-DECEMBER .DO	25.3	4.5	1.2	3.2	35.0	1.9	2.6	6.9	16.5
WAGES MILLION DOLLARS	257.2	59.9	16.4	39.8	429.8	18.7	31.1	86.6	176.1
COST OF MATERIALS, ETC., TOTAL .DO	553.0	221.5	33.5	100.4	936.8	26.8	160.0	274.4	462.0
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	487.1	211.9	25.8	90.5	799.0	24.8	152.6	239.1	404.6
COST OF RESALES .DO	29.9	3.1	(D)	3.9	77.3	.8	3.5	24.7	28.4
FUELS CONSUMED .DO	6.2	2.3	(D)	2.4	9.9	.3	.7	1.7	3.7
PURCHASED ELECTRIC ENERGY .DO	9.4	2.5	(D)	1.2	13.1	.8	1.9	2.1	5.9
CONTRACT WORK .DO	20.3	1.7	(D)	2.4	37.6	.1	1.3	6.9	19.4
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	1 220.4	370.7	98.7	192.4	2 274.5	65.0	265.5	508.1	981.7
VALUE OF RESALES .DO	36.4	3.3	(D)	4.1	97.2	.9	4.4	26.7	38.7
VALUE ADDED BY MANUFACTURE .DO	669.5	150.6	67.1	92.0	1 377.3	38.5	104.9	238.5	522.2
MANUFACTURERS' INVENTORIES:									
BEGINNING OF YEAR, TOTAL .DO	168.4	53.4	19.6	29.8	550.0	6.2	39.1	91.2	136.7
FINISHED PRODUCTS .DO	61.5	5.4	7.5	5.4	213.3	2.4	13.7	34.7	40.5
WORK IN PROCESS .DO	29.7	6.2	4.5	7.5	209.7	1.0	8.2	23.3	39.0
MATERIALS, SUPPLIES, FUEL, ETC. .DO	77.3	41.8	7.6	16.9	126.9	2.9	17.2	33.2	57.2
END OF YEAR, TOTAL .DO	171.9	57.1	21.4	30.0	599.9	7.1	37.4	100.7	136.0
FINISHED PRODUCTS .DO	62.7	5.4	7.9	5.1	235.0	2.3	13.5	37.1	43.0
WORK IN PROCESS .DO	30.5	7.6	6.0	7.8	227.6	1.3	7.8	25.7	39.0
MATERIALS, SUPPLIES, FUEL, ETC. .DO	78.7	44.1	7.5	17.1	137.3	3.4	16.1	37.9	53.9
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	41.4	15.5	3.2	7.3	106.3	4.2	10.8	16.3	34.7
NEW PLANT AND EQUIPMENT, TOTAL .DO	37.8	15.0	3.1	6.3	100.0	4.1	10.6	14.4	31.9
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	9.3	2.6	1.5	1.3	26.1	2.1	1.9	5.3	10.0
NEW MACHINERY AND EQUIPMENT .DO	28.5	12.3	1.6	5.0	73.9	2.1	8.7	9.2	21.9
USED PLANT AND EQUIPMENT .DO	3.3	.5	.1	1.0	6.2	(Z)	.2	1.8	2.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3481-- MISC. FABRICATED WIRE PRODUCTS											
ESTABLISHMENTS, TOTAL	1 550	60.2	364.0	49.3	99.0	257.2	669.5	553.0	1 220.4	37.8	171.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	494	.9	4.7	.9	1.4	3.6	12.6	9.3	21.7	1.4	2.7
5 TO 9 EMPLOYEES[e]	234	1.6	9.4	1.4	2.6	6.8	19.5	16.6	36.0	1.0	3.6
10 TO 19 EMPLOYEES	209	2.9	17.1	2.4	4.6	11.5	34.6	27.1	61.3	2.3	6.6
20 TO 49 EMPLOYEES	313	9.7	55.2	8.1	16.0	38.4	101.1	83.2	183.8	6.0	21.1
50 TO 99 EMPLOYEES	137	9.4	54.2	7.8	15.5	38.1	99.1	84.2	183.0	5.5	25.7
100 TO 249 EMPLOYEES	126	19.4	117.1	15.9	32.6	83.3	208.5	188.4	396.0	10.2	55.3
250 TO 499 EMPLOYEES	26	9.0	59.6	7.0	14.1	41.2	109.4	93.6	203.4	7.0	36.6
500 TO 999 EMPLOYEES	11	7.2	46.8	6.0	12.2	34.5	84.8	50.7	135.2	4.4	20.5
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	533	1.4	6.9	1.4	2.2	5.3	14.9	12.0	27.0	.5	3.2
3491-- METAL BARRELS, DRUMS, AND PAILS											
ESTABLISHMENTS, TOTAL	149	11.6	83.5	9.1	19.4	59.9	150.6	221.5	370.7	15.0	57.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	24	(Z)	.2	(Z)	.1	.2	.5	.8	1.3	6.6	.2
5 TO 9 EMPLOYEES	13	.1	.6	.1	.2	.4	.9	2.0	2.9	(D)	.4
10 TO 19 EMPLOYEES	16	.2	1.2	.2	.4	1.0	2.7	5.6	8.4	(D)	1.7
20 TO 49 EMPLOYEES	27	.9	5.7	.8	1.8	4.4	11.8	20.1	31.9	1.7	4.2
50 TO 99 EMPLOYEES	31	2.1	14.2	1.7	3.5	10.0	28.7	47.9	76.9	2.2	10.5
100 TO 249 EMPLOYEES	30	4.7	34.5	3.8	8.0	25.4	64.3	95.1	159.3	2.9	26.6
250 TO 499 EMPLOYEES	6	3.5	27.1	2.6	5.6	18.6	41.6	50.0	89.9	1.6	13.5
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1]	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3492-- SAFES AND VAULTS											
ESTABLISHMENTS, TOTAL	32	3.8	26.6	2.6	4.9	16.4	67.1	33.5	98.7	3.1	21.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	8	(Z)	.1	(Z)	(Z)	(Z)	.2	.1	.3	3.0	(Z)
5 TO 9 EMPLOYEES[e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	5	.1	.5	.1	.1	.4	.7	.5	1.1	(D)	.2
20 TO 49 EMPLOYEES	11	3.7	26.1	2.5	4.8	16.0	66.1	32.9	97.1	(D)	21.2
50 TO 99 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 TO 499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
500 TO 999 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1]	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3493-- STEEL SPRINGS											
ESTABLISHMENTS, TOTAL	114	7.7	53.9	6.2	12.6	39.8	92.0	100.4	192.4	6.3	30.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	30	.1	.4	.1	.1	.3	.9	.5	1.5	.2	.2
5 TO 9 EMPLOYEES[e]	8	.1	.4	(Z)	.1	.3	.9	.6	1.5	(D)	.1
10 TO 19 EMPLOYEES	15	.2	1.4	.2	.3	1.0	3.0	2.3	5.3	(D)	.7
20 TO 49 EMPLOYEES	24	.7	4.6	.5	1.1	3.2	8.3	7.4	15.7	.6	2.3
50 TO 99 EMPLOYEES	13	.9	6.5	.7	1.6	4.6	11.8	10.7	22.7	.4	3.3
100 TO 249 EMPLOYEES	14	2.1	15.5	1.7	3.4	11.1	27.4	36.7	63.8	2.5	11.6
250 TO 499 EMPLOYEES	9	3.6	25.1	2.9	6.0	19.4	39.7	42.2	82.1	2.6	11.8
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	25	(Z)	.3	(Z)	.1	.2	.9	.6	1.5	(Z)	.2
3494-- VALVES AND PIPE FITTINGS											
ESTABLISHMENTS, TOTAL	666	95.3	683.5	67.8	139.0	429.8	1 377.3	936.8	2 274.5	100.0	599.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	117	.2	1.3	.2	.3	.9	3.2	2.2	5.3	.1	1.2
5 TO 9 EMPLOYEES[e]	48	.3	2.4	.3	.5	1.6	5.6	3.8	9.4	.2	1.6
10 TO 19 EMPLOYEES	89	1.3	9.1	.9	1.9	5.8	17.9	15.5	33.3	.9	5.9
20 TO 49 EMPLOYEES	121	4.0	27.5	2.8	5.8	16.1	63.2	42.3	104.9	3.3	19.9
50 TO 99 EMPLOYEES	88	6.5	44.4	4.8	9.9	28.5	97.8	88.9	183.4	6.0	39.6
100 TO 249 EMPLOYEES	101	16.4	116.4	11.4	23.5	69.6	248.8	187.7	432.2	16.1	106.6
250 TO 499 EMPLOYEES	51	17.8	120.3	12.5	25.7	74.8	266.6	174.3	425.5	21.4	120.7
500 TO 999 EMPLOYEES	34	24.3	172.9	17.4	35.4	111.6	336.1	223.6	555.8	33.4	163.7
1,000 TO 2,499 EMPLOYEES	16	24.4	189.2	17.7	36.1	120.9	338.1	198.4	524.7	18.6	140.8
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	110	.2	1.4	.2	.3	.9	3.3	2.4	5.7	.1	1.3

See footnotes at end of table

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3496-- COLLAPSIBLE TUBES											
ESTABLISHMENTS, TOTAL	19	4.3	23.6	3.9	7.6	18.7	38.5	26.8	65.0	4.1	7.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	1	.4	2.0	.4	.7	1.6	3.9	2.5	6.4	.1	.8
5 TO 9 EMPLOYEES[e]	-	-	-	-	-	-	-	-	-	-	-
10 TO 19 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
20 TO 49 EMPLOYEES[e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	5	.8	4.2	.7	1.4	3.3	6.6	6.1	12.8	.4	1.0
250 TO 499 EMPLOYEES	3	1.0	6.1	.9	1.8	4.7	10.4	5.8	16.2	.7	1.4
500 TO 999 EMPLOYEES	3	2.1	11.2	1.9	3.6	9.1	17.6	12.4	29.7	2.9	3.8
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3497-- METAL FOIL AND LEAF											
ESTABLISHMENTS, TOTAL	72	6.6	48.7	4.8	10.3	31.1	104.9	160.0	265.5	10.6	37.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	12	(Z)	.2	(Z)	(Z)	.1	.6	.8	1.4	2.1	.2
5 TO 9 EMPLOYEES[e]	7	(Z)	.3	(Z)	.1	.2	1.0	1.4	2.4	(D)	.4
10 TO 19 EMPLOYEES	7	.1	.9	.1	.1	.5	3.0	4.9	7.8	(D)	.5
20 TO 49 EMPLOYEES	19	.6	4.6	.4	1.0	2.7	8.5	19.0	27.2	.5	4.7
50 TO 99 EMPLOYEES	11	.8	5.8	.6	1.4	3.9	11.5	21.9	33.5	.8	3.6
100 TO 249 EMPLOYEES	10	1.7	12.1	1.2	2.8	7.3	29.2	27.3	56.4	2.5	7.4
250 TO 499 EMPLOYEES	4	3.2	24.9	2.4	4.9	16.4	51.1	84.7	136.7	4.7	20.6
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1]	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3498-- FABRICATED PIPE AND FITTINGS											
ESTABLISHMENTS, TOTAL	393	18.2	129.1	13.4	27.4	86.6	238.5	274.4	508.1	14.4	100.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	94	.2	1.0	.2	.2	.7	2.5	2.6	5.1	1.4	1.0
5 TO 9 EMPLOYEES	35	.2	1.8	.2	.4	1.2	3.1	3.7	6.9	.2	.7
10 TO 19 EMPLOYEES	67	.9	6.2	.7	1.3	4.1	12.4	13.7	25.7	.6	3.6
20 TO 49 EMPLOYEES	98	3.0	19.4	2.4	5.0	13.7	38.6	50.6	88.5	2.6	16.3
50 TO 99 EMPLOYEES	48	3.4	22.4	2.6	5.2	15.1	43.9	43.5	87.3	1.8	17.9
100 TO 249 EMPLOYEES	40	6.1	43.5	4.6	9.6	29.4	75.1	89.6	165.2	5.3	33.6
250 TO 499 EMPLOYEES	10	4.4	34.9	2.8	5.7	22.3	63.0	70.7	129.5	2.5	27.7
500 TO 999 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	85	.2	1.1	.2	.3	.7	2.4	2.6	5.0	(Z)	1.1
3499-- FABRICATED METAL PRODUCTS, NEC											
ESTABLISHMENTS, TOTAL	1 266	41.3	260.1	32.8	66.0	176.1	522.2	462.0	981.7	31.9	136.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	429	.7	4.0	.7	1.2	2.7	9.0	7.9	16.9	.2	2.1
5 TO 9 EMPLOYEES[e]	154	1.1	6.6	.9	1.7	4.3	12.6	8.9	21.4	.7	2.2
10 TO 19 EMPLOYEES	219	3.0	18.7	2.4	4.8	12.6	38.2	29.0	66.7	2.0	6.2
20 TO 49 EMPLOYEES	251	7.8	48.5	6.2	12.4	32.7	90.4	90.1	180.9	3.9	21.5
50 TO 99 EMPLOYEES	124	8.3	51.0	6.8	14.2	36.0	95.8	74.0	169.2	5.3	23.2
100 TO 249 EMPLOYEES	66	9.6	60.3	7.7	15.5	42.1	141.3	144.6	281.8	10.6	40.7
250 TO 499 EMPLOYEES	14	4.8	31.5	3.4	7.1	19.0	66.0	58.0	125.3	5.4	19.3
500 TO 999 EMPLOYEES	9	6.0	39.4	4.6	9.3	26.7	68.9	49.5	119.6	3.8	20.7
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	437	1.0	5.2	1.0	1.7	3.7	11.3	9.1	20.4	.4	2.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3481	Fabricated wire products.....1967..	1,220.4	1,089.9	80.3	50.2	93	1,833.3	1,089.9	743.4	[1]59
	1963..	1,030.9	903.9	71.1	55.9	93	1,399.3	903.9	495.4	[1]65
3491	Metal barrels, drums, and pails.....1967..	370.7	331.4	28.8	10.5	92	378.2	331.4	46.8	88
	1963..	303.4	274.6	23.0	5.9	92	317.9	274.6	43.3	86
3492	Safes and vaults.....1967..	98.7	(D)	(D)	(D)	87	79.5	(D)	(D)	85-90
	1963..	78.0	(D)	(D)	(D)	81	59.3	(D)	(D)	90-95
3493	Steel springs.....1967..	192.4	165.0	22.0	5.4	88	264.0	165.0	99.0	63
	1963..	157.7	136.5	14.2	7.0	91	205.2	136.5	68.7	67
3494	Valves and pipe fittings.....1967..	2,274.5	1,856.4	285.6	132.5	87	2,102.8	1,856.4	246.4	88
	1963..	1,588.5	1,299.9	214.2	74.4	86	1,525.4	1,299.9	225.5	85
3496	Collapsible tubes.....1967..	65.0	50.9	12.7	1.4	80	50.9	50.9	-	100
	1963..	51.0	44.2	5.9	0.9	88	44.2	44.2	-	100
3497	Metal foil and leaf.....1967..	265.5	215.1	37.7	12.7	85	385.6	215.1	170.5	56
	1963..	151.6	126.2	21.0	4.4	86	308.7	126.2	182.6	41
3498	Fabricated pipe and fittings.....1967..	508.1	440.0	22.8	45.3	95	486.3	440.0	46.3	90
	1963..	305.6	259.6	21.1	24.9	92	286.5	259.6	26.9	91
3499	Fabricated metal products, n.e.c.....1967..	981.7	836.9	92.1	52.7	90	1,172.9	836.9	336.0	71
	1963..	573.2	469.2	60.3	43.7	89	753.4	469.2	284.2	62

Note: See Appendix, Explanation of Terms, for discussion of items.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Included in this industry are selected fabricated wire products (see footnote 1 in table 5B) which are also primary to industry 3315, Steel Wire Drawing, Etc. A 1967 coverage ratio computed on the basis of including both industries to which these products are primary would total 79 percent; 59 percent by industry 3481 and 20 percent by industry 3315. The remaining 21 percent was shipped by establishments in other industries, including industry 3312, Blast Furnaces and Steel Mills, and industry 3357, Nonferrous Wire Drawing, Etc. A comparable 1963 coverage ratio would also total 79 percent; 65 percent by industry 3481 and 14 percent by industry 3315.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product class	Class of products, industry, and miscellaneous receipts	All industries	Miscellaneous fabricated wire products (SIC 3481)	Metal barrels, drums, and pails (SIC 3491)	Safes and vaults (SIC 3492)	Steel springs (SIC 3493)	Valves and pipe fittings (SIC 3494)	Collapsible tubes (SIC 3496)	Metal foil and leaf (SIC 3497)	Fabricated pipe and fittings (SIC 3498)	Fabricated metal products, n.e.c. (SIC 3499)	Other industries
	Total shipments and miscellaneous receipts	(X)	1,220.4	370.7	98.7	192.4	2,274.5	65.0	265.5	508.1	981.7	(X)
3481-	Miscellaneous fabricated wire products	1,833.3	1,089.9	-	-	14.0	-	-	-	-	0.5	[1]728.9
34811 / 33151	Noninsulated ferrous wire rope cable, etc	246.0	81.8	-	-	-	-	-	-	-	-	[1]164.2
34812	Precision mechanical springs	211.0	186.6	-	-	13.3	-	-	-	-	(D)	(D)
34813	Other wire springs	254.1	224.7	-	-	(D)	-	-	-	-	(D)	(D)
34814 / 33157	Ferrous wire cloth and other ferrous woven wire products	89.3	41.0	-	-	-	-	-	-	-	-	[1]48.3
34815 / 33575	Nonferrous wire cloth and other woven wire products	90.0	50.6	-	-	-	-	-	-	-	-	[1]39.4
34816 / 33156	Fencing and fence gates	130.8	38.8	-	-	-	-	-	-	-	-	[1]92.0
34819 / 33159	Other fabricated wire products	668.2	324.1	-	-	-	-	-	-	-	-	[1]344.1
34810	Miscellaneous fabricated wire products n.s.k	143.9	142.4	-	-	(D)	-	-	-	-	(D)	1.4
3491-	Metal barrels, drums, and pails	378.2	-	331.4	-	-	-	-	-	-	-	46.7
34911	Steel pails (12 gallon capacity and under)	111.6	-	88.1	-	-	-	-	-	-	-	23.5
34912	Steel shipping barrels and drums (over 12-gallon capacity)	212.6	-	201.0	-	-	-	-	-	-	-	11.5
34913	All other metal barrels	45.5	-	34.0	-	-	-	-	-	-	-	11.5
34910	Metal barrels drums and pails, n.s.k	8.5	-	8.5	-	-	-	-	-	-	-	-
3492-	Safes and vaults	79.5	-	-	(D)	-	-	-	-	-	-	(D)
3493-	Steel springs	264.0	23.1	-	-	165.0	-	-	-	-	-	75.9
3494-	Valves and pipe fittings	2,102.8	-	-	-	-	1,856.4	-	-	(2-5)	(under 2)	242.3
34941	Automatic regulating and control valves	312.3	-	-	-	-	250.7	-	-	(D)	-	(D)
34942	Valves for power transfer (pneumatic and hydraulic)	229.5	-	-	-	-	188.9	-	-	(D)	-	(D)
34943	Other metal valves for piping systems and equipment (except plumbing and heating valves)	820.3	-	-	-	-	759.8	-	-	(D)	(D)	(D)
34944	Plumbing and heating valves and specialties (except plumbers brass goods)	101.2	-	-	-	-	88.4	-	-	-	-	12.8
34945	Metal fittings, flanges and unions for piping systems	484.7	-	-	-	-	425.4	-	-	(D)	(D)	58.4
34946	Fittings and assemblies for tubing and hose (except plumbers' brass goods)	55.1	-	-	-	-	47.0	-	-	-	-	8.1
34940	Valves and pipe fittings, n.s.k	99.9	-	-	-	-	96.1	-	-	(D)	-	(D)
3496-	Collapsible tubes	50.9	-	-	-	-	-	50.9	-	-	-	-
3497-	Metal foil and leaf	385.6	-	-	-	-	-	-	215.1	-	-	170.5
3498-	Fabricated pipe and fittings	486.3	-	-	-	-	10.7	-	-	440.0	1.1	34.5
3499-	Fabricated metal products n.e.c	1,172.9	(under 2)	(under 2)	-	-	7.7	-	-	3.6	836.9	323.9
	Other product shipments by 4-digit product group											
1929-	Ammunition, except for small arms, n.e.c	(X)	-	-	-	-	(under 2)	-	-	-	(over 2)	-
2399-	Fabricated textile products, n.e.c	(X)	-	-	-	-	(under 2)	-	(under 2)	(over 2)	-	-
2499-	Wood products, n.e.c	(X)	(under 2)	-	-	-	-	-	-	-	2.5	-
2514-	Metal household furniture	(X)	(2-5)	-	-	-	-	-	-	-	3.4	-
2522-	Metal office furniture	(X)	-	-	(10-20)	-	-	-	(under 2)	-	-	-
2641-	Coated and glazed paper	(X)	-	-	-	-	-	-	(10-20)	-	-	-
2643-	Bags, except textile bags	(X)	-	-	-	-	-	-	(5-10)	-	-	-
2655-	Fiber cans, drums, and related material	(X)	-	(2-5)	-	-	-	-	-	-	-	-
2751-	Commercial printing, except lithographic	(X)	-	-	-	-	-	-	4.8	-	-	-
3079-	Miscellaneous plastic products	(X)	(2-5)	(2-5)	-	-	3.0	(2-5)	(5-10)	(D)	(under 2)	-
3293-	Gaskets and insulations	(X)	(over 2)	-	-	-	(under 2)	-	-	(D)	(under 2)	-
3315-	Steel wire and related products	(X)	5.8	-	-	-	-	-	-	-	(under 2)	-
3317-	Steel pipe and tubes	(X)	-	-	-	-	(over 2)	-	-	-	(under 2)	-
3321-	Gray iron castings	X)	-	-	-	-	3.2	-	-	-	0.7	-

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Miscellaneous fabricated wire products (SIC 3481)	Metal barrels, drums, and pails (SIC 3491)	Safes and vaults (SIC 3492)	Steel springs (SIC 3492)	Valves and pipe fittings (SIC 3494)	Collapsible tubes (SIC 3496)	Metal foil and leaf (SIC 3497)	Fabricated pipe and fittings (SIC 3498)	Fabricated metal products n.e.c. (SIC 3499)	Other industries
	Other product shipments by 4-digit product group--Continued											
3322-	Malleable iron castings	(X)	-	-	-	-	4.3	-	-	-	(under 2)	-
3352-	Rolled and drawn aluminum	(X)	(under 2)	-	-	-	(over 2)	(under 2)	(under 2)	-	(over 2)	-
3356-	Rolled and drawn nonferrous metals n.e.c.	(X)	-	-	-	-	-	-	(over 2)	-	-	-
3362-	Brass, bronze, and copper castings	(X)	-	-	-	-	2.8	-	-	-	(under 2)	-
3391_	Iron and steel forgings	(X)	(under 2)	-	-	-	5.7	-	-	-	-	-
3392_	Nonferrous forgings	(X)	-	-	-	-	(10-20)	-	-	-	-	-
3411_	Metal cans	(X)	-	4.0	-	-	-	(over 2)	-	-	-	-
3423-	Hand and edge tools, n.e.c.	(X)	2.1	(under 2)	-	-	10.8	-	-	-	(under 2)	-
3429-	Hardware n.e.c.	(X)	4.1	-	-	(under 2)	5.4	-	-	-	1.2	-
3432-	Plumbing fittings and brass goods	(X)	-	-	-	-	10.9	-	-	(D)	1.4	-
3441-	Fabricated structural steel	(X)	0.6	(over 2)	-	-	-	-	-	-	(2-5)	-
3443-	Fabricated platework (boiler shop products)	(X)	(under 2)	(over 2)	-	(under 2)	(5-10)	-	-	(D)	0.8	-
3444-	Sheet metalwork	(X)	0.5	(under 2)	-	-	(under 2)	-	(over 2)	-	0.5	-
3451-	Screw machine products	(X)	(under 2)	-	-	-	(over 2)	-	-	(D)	(under 2)	-
3461-	Metal stampings	(X)	8.0	0.9	-	(over 2)	-	-	-	(D)	2.4	-
3531-	Construction machinery	(X)	-	-	-	-	(2-5)	-	-	-	-	-
3533-	Oilfield machinery	(X)	-	-	-	-	(over 2)	-	-	-	(under 2)	-
3536-	Hoists, cranes, and monorails	(X)	-	-	-	-	-	-	-	-	(over 2)	-
3537-	Industrial trucks and tractors	(X)	-	-	-	-	-	-	-	-	4.4	-
3548-	Metalworking machinery, n.e.c.	(X)	(under 2)	-	-	(under 2)	(over 2)	-	-	-	(2-5)	-
3561-	Pumps and compressors	(X)	-	(under 2)	-	-	33.0	-	-	-	(under 2)	-
3564-	Blowers and fans	(X)	-	-	-	-	(over 2)	-	-	-	(over 2)	-
3569-	General industrial machinery, n.e.c.	(X)	(under 2)	-	-	-	11.6	-	-	(D)	6.7	-
3585-	Refrigeration machinery	(X)	-	-	-	-	19.0	-	-	-	-	-
3586-	Measuring and dispensing pumps	(X)	-	-	-	-	(over 2)	-	-	-	-	-
3589-	Service industry machines, n.e.c.	(X)	-	-	-	-	-	-	-	-	-	-
3599-	Miscellaneous machinery, except electrical	(X)	(under 2)	-	-	-	6.4	-	-	-	0.7	-
3622-	Industrial controls	(X)	(X)	-	-	-	(10-20)	-	-	-	(under 2)	-
3634-	Electric housewares and fans	(X)	(under 2)	-	-	-	-	-	-	-	(over 2)	-
3642-	Lighting fixtures	(X)	(under 2)	-	-	-	-	-	-	-	(over 2)	-
3644-	Noncurrent carrying wiring devices	(X)	-	-	-	-	(over 2)	-	-	-	0.1	-
3679-	Electronic components, n.e.c.	(X)	(under 2)	-	-	(under 2)	(under 2)	-	-	-	(over 2)	-
3691-	Storage batteries	(X)	-	-	-	-	-	-	-	-	(over 2)	-
3714-	Motor vehicle parts and accessories	(X)	(under 2)	-	-	(over 2)	(over 2)	-	(under 2)	-	(under 2)	-
3715-	Truck trailers	(X)	-	(over 2)	-	-	-	-	-	-	(under 2)	-
3722-	Aircraft engines and engine parts	(X)	-	-	-	-	21.3	-	(over 2)	-	(under 2)	-
3729-	Aircraft equipment n.e.c.	(X)	-	-	-	-	(5-10)	-	-	-	-	-
3742-	Railroad and street cars	(X)	(over 2)	-	-	(under 2)	(over 2)	-	-	-	(under 2)	-
3821-	Mechanical measuring devices	(X)	(under 2)	-	-	-	15.5	-	-	-	(under 2)	-
3822-	Automatic temperature controls	(X)	-	-	-	-	5.1	-	-	-	-	-
3994-	Morticians' goods	(X)	-	-	-	-	-	-	-	-	(D)	-
	Other secondary products[2]	(X)	36.1	23.9	(D)	8.0	109.2	12.7	32.9	19.2	65.7	(X)
	Miscellaneous receipts	(X)	50.2	10.5	(D)	5.4	132.5	1.4	12.7	45.3	52.7	(X)
93000	Commission receipts	(X)	4.3	0.9	(D)	0.5	5.8	-	5.3	7.5	9.7	(X)
99989	Resales	(X)	36.4	3.3	(D)	4.1	97.2	0.9	4.4	26.7	38.7	(X)
99980	Receipts for repair work	(X)	(X)	(X)	(X)	(X)	7.1	(X)	(X)	0.6	0.8	(X)
99980	Sales of scrap and refuse	(X)	1.8	(D)	(D)	0.4	12.4	0.5	(D)	0.9	1.9	(X)
99980	Other miscellaneous receipts	(X)	7.7	(D)	(D)	0.4	10.0	-	(D)	9.6	1.6	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3481-	3316- Cold rolled steel shapes	(over 2)
	3322- Malleable iron castings	(over 2)
	3351- Rolled and drawn copper	(over 2)
	3357- Nonferrous wiredrawing and insulating products	(2-5)
	3429- Hardware, n.e.c.	(2-5)
	3441- Fabricated structural steel	7.0
	3446- Architectural metalwork	(over 2)
	3449- Miscellaneous metalwork	6.7
	3452- Bolts, nuts, rivets and washers	(2-5)
	3461- Metal stampings	5.9
	3522- Farm machinery	2.0
	3532- Mining machinery	(over 2)
	3554- Paper industries machinery	(over 2)
	3964- Needles, pins, and fasteners	(2-5)
3491-	2655- Fiber cans, drums, and related material	(over 2)
	3411- Metal cans	11.2
	3461- Metal stampings	12.5
	3559- Special industry machinery, n.e.c.	(over 2)
	3639- Household appliances, n.e.c.	(over 2)
	3729- Aircraft equipment, n.e.c.	(over 2)
3493-	3316- Cold rolled steel shapes	(over 2)
	3391- Iron and steel forgings	(2-5)
	3711- Motor vehicles	(over 2)
	3714- Motor vehicle parts and accessories	45.1
3494-	3069- Fabricated rubber products n.e.c.	(over 2)
	3312- Blast furnace and steel mill products	(over 2)
	3391- Iron and steel forgings	(20-50)
	3392- Nonferrous forgings	(over 2)
	3429- Hardware n.e.c.	10.3
	3432- Plumbing fittings and brass goods	6.5
	3433- Heating equipment, except electric	5.8
	3443- Fabricated platework (boiler shop) products	14.9
	3444- Sheet metalwork	(over 2)
	3511- Steam engines and turbines	(5-10)
	3533- Oil field machinery	8.2
	3542- Machine tools, metal-forming types	3.7
	3552- Textile machinery	(over 2)
	3561- Pumps and compressors	42.0
	3569- General industrial machinery, n.e.c.	6.5
	3585- Refrigeration machinery	(over 2)
	3586- Measuring and dispensing pumps	7.8
	3599- Miscellaneous machinery, except electrical	5.1
	Listing of the other industries with over $2 million shipments of the primary products	
3494-	3644- Noncurrent carrying wiring devices	(over 2)
	3729- Aircraft equipment, n.e.c.	(2-5)
	3731- Ship building and repairing	(over 2)
	3821- Mechanical measuring devices	15.5
	3822- Automatic temperature controls	9.8
3497-	2641- Coated and glazed paper	28.1
	2649- Converted paper products, n.e.c.	15.9
	2751- Commercial printing, except lithographic	7.2
	2771- Greeting cards	2.1
	3352- Rolled and drawn aluminum	113.1
3498-	1929- Ammunition, except for small arms, n.e.c.	(over 2)
	2911- Petroleum refinery products	(over 2)
	3429- Hardware, n.e.c.	(over 2)
	3443- Fabricated platework (boiler shop products)	2.6
	3522- Farm machinery	(over 2)
3499-	1961- Small arms ammunition	(over 2)
	2499- Wood products, n.e.c.	2.0
	2514- Metal household furniture	7.3
	2542- Metal partitions and fixtures	4.4
	2891- Adhesives and gelatin	(over 2)
	3079- Miscellaneous plastics products	3.3
	3312- Blast furnace and steel mill products	(100-200)
	3321- Gray iron castings	(2-5)
	3323- Steel castings	(over 2)
	3429- Hardware, n.e.c.	2.9
	3432- Plumbing fittings and brass goods	2.1
	3442- Metal doors, sash, and trim	2.4
	3443- Fabricated platework (boiler shop products)	3.3
	3444- Sheet metalwork	(2-5)
	3449- Miscellaneous metalwork	(2-5)
	3452- Bolts, nuts, rivets, and washers	(2-5)
	3461- Metal stampings	12.7
	3522- Farm machinery	(over 2)
	3531- Construction machinery	(5-10)
	3535- Conveyors and conveying equipment	(2-5)
	3545- Machine tool accessories	(5-10)
	3643- Current carrying wiring devices	(over 2)
	3714- Motor vehicle parts and accessories	5.8
	3731- Ship building and repairing	(2-5)
	3914- Silverware and plated ware	(over 2)

Note: Data shown parenthetically above are expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding of independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies.

[1]The totals for product classes 34811, 34814, 34815, 34816, and 34189 include respectively the totals for product classes 33151, 33157, 33575, 33156 and 33159. Shipments of these product classes totaled as follows:

Product class	Value (millions of dollars)
33151	164.2
33157	35.4
33575	36.2
33156	75.7
33159	293.7

[2]Includes, where applicable, the value of 4-digit products not shown as well as those for which a range (e.g. (2-5), (5-10), etc.) or the symbol (D) are shown.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3481- --	MISCELLANEOUS FABRICATED WIRE PRODUCTS, TOTAL	.....	(X)	1,833.3	(X)	1,399.2
33151 -- 34811 --	Noninsulated ferrous wire rope, cable, and strand, total	.....	(X)	246.0	(X)	189.9
33151 --	Made in industries 3312 (blast furnaces and steel mills) and 3315 (steel wire drawing)	.....	(X)	164.2	(X)	100.9
34811 --	Made in fabricated wire products, n.e.c. (industry 3481) and other industries	.....	(X)	81.8	(X)	89.0
33151 11 34811 11	Iron and steel wire rope and cable[1]	1,000 short tons	274.3	176.1	205.3	141.2
33151 11	Made in industries 3312 and 3315	...do	172.6	98.9	105.4	67.8
34811 11	Made in industry 3481 and other industries	...do	101.7	77.2	99.9	73.4
33151 21 34811 21	Composite strand, rope, and cable, including wire strands of different metals (except ACSR)	...do	26.0	23.0	69.5	28.0
33151 33 34811 33	Steel wire strand, except wire strand for prestressed concrete, including guard rail cable[1]	...do	68.1	25.3		
33151 35 34811 35	Wire strand for prestressed concrete[1]	...do	59.8	19.0	36.2	11.8
33151 00 34811 00	Noninsulated ferrous wire rope, cable, and strand, n.s.k	.....	(X)	2.4	(X)	9.0
34812 --	Precision mechanical springs, total	1,000 short tons	(X)	211.0	118.1	150.0
34812 13	Compression type	...do	80.7	115.2	118.1	150.0
34812 15	Extension type	...do	37.1	49.5		
34812 17	Torsion type	...do	16.1	28.1		
34812 00	Precision mechanical springs, n.s.k	.....	(X)	18.2		
34813 --	Other wire springs, total	.....	(X)	254.1	(X)	239.5
	Upholstery and furniture springs (unassembled):					
34813 11	Seat and back springs for motor vehicles	1,000 short tons	188.0	114.4	185.4	99.1
34813 13	Springs for mattresses and bedsprings	...do	e56.7	18.0	e61.0	22.8
34813 17	Spring units for box springs, innerspring mattresses and dual purpose sleep furniture	...do	e170.8	63.3	(NA)	33.1
34813 18	Spring units for upholstered furniture (unassembled)	...do	(NA)	13.8	(NA)	13.3
34813 19	Other upholstery and furniture springs	...do	(NA)	11.5	(NA)	5.4
34813 98	Other wire springs	...do	(NA)	28.1	(NA)	42.5
34813 00	Wire springs, n.s.k	.....	(X)	5.0	(X)	23.3
33157 -- 34814 --	Ferrous wire cloth and other woven ferrous wire products, total	.....	(X)	89.3	(X)	72.3
33157 --	Made in industries 3312 (blast furnaces and steel mills) and 3315 (steel wire drawing)	.....	(X)	35.4	(X)	24.3
34814 --	Made in fabricated wire products, n.e.c. (industry 3481) and other industries	.....	(X)	53.9	(X)	48.0
33157 21 34814 11	Insect wire screening, steel, including stainless steel	Million sq.ft.	145.7	5.9	168.6	7.5
33157 31 34814 31	Hardware cloth	1,000 short tons	18.1	12.4	8.6	6.3
33157 61 34814 61	Industrial wire cloth, steel	Million sq.ft.	(NA)	33.4	(NA)	23.7
33157 61	Made in industries 3312 and 3315	...do			(NA)	4.6
34814 61	Made in industry 3481 and other industries	...do			25.9	19.1
33157 71 34814 71	Woven wire netting (poultry, fur farm, stucco, etc.)[1]	1,000 short tons	(NA)	14.2	(NA)	13.6
33157 81 34814 81	Stainless steel paper machine wire cloth (fourdrinier and cylinder)	Million sq.ft.	(X)	19.4	(X)	21.1
33157 98 34814 98	Other wire cloth and woven wire products including diamond cloth	.....				
33157 00 34814 00	Wire cloth and woven wire products, n.s.k	.....	(X)	4.0	(X)	1.2
33575 -- 34815 --	Nonferrous wire cloth and other woven nonferrous wire products, total	.....	(X)	90.0	(X)	70.5
33575 --	Made in industry 3357 (nonferrous wire drawing, etc.)	.....	(X)	36.2	(X)	21.2
34815 --	Made in fabricated wire products, n.e.c. (industry 3481) and other industries	.....	(X)	53.8	(X)	49.3

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3481- --	MISCELLANEOUS FABRICATED WIRE PRODUCTS--Continued					
33575 --	Nonferrous wire cloth and other woven nonferrous wire products--Continued					
	Insect wire screening:					
33575 25 34815 15	Aluminum	Million sq. ft.	472.1	21.4	459.1	21.2
33575 25	Made in industry 3357	...do...	351.1	14.1	188.1	7.3
34815 15	Made in industry 3481 and other industries	...do...	121.0	7.3	271.0	14.0
33575 29 34815 19	All other nonferrous metal	...do...	56.1	1.6	(NA)	0.8
	Paper machine wire cloth (fourdrinier and cylinder):					
33575 53 34815 53	Copper	...do...	26.8	43.4	24.6	36.6
33575 59 34815 59	All other	...do...	5.3	5.9		
33575 65 34815 65	Industrial wire cloth, nonferrous	...do...	17.5	14.4	12.5	8.8
33575 00 34815 00	Nonferrous wire cloth and other woven nonferrous wire products, n.s.k	...	(X)	3.4	(X)	3.0
33156 -- 34816 --	Fencing and fence gates, total	...	(X)	130.8	(X)	115.5
33156 --	Made in industries 3312 (blast furnaces and steel mills) and 3315 (steel wore drawing)	...	(X)	75.7	(X)	58.3
34816 --	Made in fabricated wire products, n.e.c. (industry 3481) and other industries	...	(X)	55.1	(X)	57.1
33156 13 34816 13	Chain link fencing, excluding post, gates and fittings	1,000 short tons...	(NA)	49.5	(NA)	37.5
33156 35 34816 35	Fence gates, posts, and fittings	...do...	(NA)	41.4	125.9	38.5
33156 13, 35	Made in industries 3312 and 3315	...do...	(NA)	(NA)	(NA)	30.2
34816 13, 35	Made in industry 3481 and other industries	...do...	(NA)	(NA)	(NA)	45.7
33156 21 34816 21	Wire fence, woven and welded[1]	...do...	136.2	31.6	132.2	33.3
33156 21	Made in industries 3312 and 3315	...do...	120.0	26.5	109.7	26.3
34816 21	Made in industry 3481 and other industries	...do...	16.2	5.1	22.5	7.0
33156 71 34816 71	Ornamental lawn fence	...do...	7.7	2.5	11.0	3.5
33156 71	Made in industries 3312 and 3315	...do...	7.2	2.0	5.8	1.8
34816 71	Made in industry 3481 and other industries	...do...	0.5	0.5	5.2	1.6
33156 00 34816 00	Fencing and fence gates, n.s.k	...	(X)	5.7	(X)	2.8
33159 -- 34819 --	Other fabricated wire products, total	...	(X)	668.2	(X)	501.5
33159 --	Made in industries 3312 (blast furnaces and steel mills) and 3315 (steel wire drawing)	...	(X)	293.7	(X)	181.6
34819 --	Made in fabricated wire products, n.e.c. (industry 3481) and other industries	...	(X)	374.5	(X)	320.0
	Wire chain:					
33159 41 34819 41	Tire	1,000 short tons...	44.6	38.6	20.9	14.8
33159 49 34819 49	Other	...do...	71.6	51.6	61.5	44.7
33159 51 34819 51	Barbed and twisted steel wire[1]	...do...	165.7	34.6	110.6	20.3

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3481- --	MISCELLANEOUS FABRICATED WIRE PRODUCTS--Continued					
33159 --	Other fabricated wire products--Continued					
34819 --						
33159 55	Wire bale ties[1]	1,000 short tons				
34819 55			129.3	25.9	86.9	17.3
33159 55	Made in industries 3312 and 3315	...do	108.1	20.4	73.2	13.9
34819 55	Made in industry 3481 and other industries	...do	21.2	5.5	13.8	3.4
	Welded steel wire fabric:					
33159 61	Concrete reinforcing mesh	1,000 short tons				
34819 61			678.8	116.9	542.7	94.2
33159 61	Made in industries 3312 and 3315	...do	596.8	98.8	379.4	74.2
34819 61	Made in industry 3481 and other industries	...do	90.1	18.1	107.3	20.0
33159 65	Other welded steel wire fabric	...do	200.9	51.7	127.7	31.2
34819 65						
33159 65	Made in industries 3312 and 3315	...do	183.5	38.3	116.7	27.3
34819 65	Made in industry 3481 and other industries	...do	17.4	13.4	11.0	3.9
33159 71	Wire garment hangers	Million lbs	254.1	39.3	161.4	25.7
34819 71						
33159 73	Wire carts, including household, grocery type and industrial	...	(X)	19.2	(X)	15.0
34819 73						
33159 75	Steel wire cages	...	(X)	16.1	(X)	9.2
34819 75						
33159 77	Paper clips	...	(X)	3.2	(X)	211.3
34819 77						
33159 98	Other wire products including baskets, guards, florists' designs, kitchenware, etc	...	(X)	242.4		
34819 98						
33159 00	Other fabricated wire products, n.s.k	...	(X)	28.9	(X)	17.9
34819 00						
34810 00	Miscellaneous fabricated wire products, n.s.k. (For establishments with 10 or more employees, See Note.)	...	(X)	116.9	(X)	60.0
34810 02	Miscellaneous fabricated wire products, n.s.k. (For establishments with fewer than 10 employees, See Note.)	...	(X)	27.0		

Product code	Product	Total shipments including interplant transfers	
		Quantity (1,000 units)	Value (million dollars)
		1967	
3491- --	METAL BARRELS, DRUMS, AND PAILS, TOTAL	(X)	378.2
34911 --	Steel Shipping Pails (12 gallon capacity and under):[3]		
34911 00	Reported in Census of Manufactures	(X)	111.6
	Reported on Monthly Form M34K	87,674	(NA)
	By type of head construction:		
	Full removable head, total	66,825	(NA)
34911 21	Straight side	33,622	(NA)
	Tapered or semitapered:		
34911 22	11-1/4 inch diameter	21,919	(NA)
34911 23	All other diameters	11,284	(NA)
	Tight head, total	20,849	(NA)
34911 24	Standard	15,773	(NA)
34911 25	Stacking dome	3,158	(NA)
34911 26	Kerosene type	1,918	(NA)
	By type of lining:		
34911 31	Lined pails	27,088	(NA)
34911 30	Unlined pails	60,586	(NA)
	By capacity:		
34911 37	Capacities other than 5 gallon	22,472	(NA)
34911 39	5 gallon pails, total	65,202	(NA)
34911 41	24 gauge and heavier	15,340	(NA)
34911 42	26 gauge	28,560	(NA)
34911 43	28/26 gauge	9,495	NA
34911 44	28 gauge	3,383	(NA)
34911 45	29 gauge	8,424	(NA)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers	
		Quantity (1,000 units)	Value (million dollars)
		1967	
3491- --	METAL BARRELS, DRUMS, AND PAILS, TOTAL--Continued		
34912 --	Steel Shipping Barrels and Drums (over 12 gallon capacity):[3]		
34912 00	Reported in the Census of Manufactures	(X)	212.6
	Reported on Monthly Form M34K	33,325	(NA)
	By size (diameter):		
	14 inch diameter, all gauges, total	4,060	(NA)
34912 21	Tight head	676	(NA)
34912 22	Open head, full or partial	3,384	(NA)
	All other diameters, total	29,265	(NA)
	20 gauge and heavier, total	21,513	(NA)
	55 to 57 gallon:		
	18 gauge and heavier:		
34912 23	Tight head	10,053	(NA)
34912 24	Open head	2,410	(NA)
	20 gauge body with 18 gauge head:		
34912 25	Tight head	5,506	(NA)
34912 26	Open head	681	(NA)
34912 31	30 to 35 gallon tight head and full open head	1,984	(NA)
34912 29	All other capacities tight head and full open head, including 55 to 57 gallon, 20 gauge	879	(NA)
	Lighter than 20 gauge, total	7,752	(NA)
	22 to 26 gauge, welded and lockside seam construction:		
34912 31	Tight head	5,296	(NA)
34912 32	Open head, full or partial		
34912 33	28 and 30 gauge, all types	2,456	(NA)
	By type of construction:		
34912 45	Unlined drums	27,778	(NA)
34912 40	Lined drums, total	5,547	(NA)
34912 41	14 inch diameter, all gauges		
34912 42	20 gauge and heavier, except 14 inch diameter	5,547	(NA)
34912 43	Lighter than 20 gauge, except 14 inch diameter		
34913 --	All other metal barrels, including beer barrels and fluid milk shipping containers	(X)	45.5
34913 13	Metal fluid milk shipping and delivery containers (except crates)	(X)	45.5
34913 19	All other metal barrels, including parts for metal barrels and pails		
34910 00	Metal barrels, drums and pails, n.s.k. (Represents principally establishments with 10 or more employees. See Note.)	(X)	7.4
34910 02	Metal barrels, drums and pails, n.s.k. (Represents principally establishments with fewer than 10 employees. See Note.)	(X)	1.1
		1963	
3491- --	METAL BARRELS, DRUMS, AND PAILS, TOTAL	(X)	317.8
34911 --	Steel shipping pails (12 gallon capacity and under):[2]		
34911 11	Reported in census of manufactures	(X)	87.2
	Reported on Monthly Form M34K	79,073	(NA)
34911 15	Tapered pails, all capacities, all gauges	16,207	(NA)
34911 19	Dome top pails, all capacities, all gauges	4,606	(NA)
	Other types	58,260	(NA)
	For sale	55,307	(NA)
34911 21	1 to 2 gallon, all gauges	2,426	(NA)
34911 25	Over 2 gallon, up to but excluding 5 gallon, all gauges	3,196	(NA)
34911 29	5 gallon, 24 gauge and heavier	13,711	(NA)
34911 31	5 gallon, 26 gauge	24,190	(NA)
34911 35	5 gallon, 28 gauge and lighter	7,491	(NA)
34911 39	Over 5 gallon, up to and including 7 gallons, all gauges 11-1/4" diameter or less	2,711	(NA)
34911 41	7 gallon, up to and including 12 gallon, all gauges, all diameters over 11-1/4"	1,582	(NA)
	For own use	2,953	(NA)
34911 21-35	1 to 5 gallon capacity	2,953	(NA)
34911 39	Over 5 gallon, up to and including 7 gallon, all gauges, 11-1/4"diameter or less		
34911 41	7 to 12 gallon capacity, diameter over 11-1/4"		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers	
		Quantity (1,000 units)	Value (million dollars)
		1963	
3491- --	METAL BARRELS, DRUMS, AND PAILS, TOTAL--Continued		
34912 --	Steel shipping barrels and drums (over 12 gallon capacity):[3]		
34912 10	Reported in the census of manufactures	(X)	191.5
	Reported on Monthly Form M34K	32,297	(NA)
	Heavy type	20,057	(NA)
	Light head liquid type	16,860	(NA)
	55 gallon capacity:		
34912 11	16 gauge and heavier	484	(NA)
34912 15	18 gauge	10,311	(NA)
34912 21	19 gauge and lighter (except those with 20 gauge body and 18 gauge head)	89	(NA)
34912 23	20 gauge body and 18 gauge head	3,713	(NA)
34912 25	30 to 33 gallon, all gauges	1,225	(NA)
34912 29	All other capacities, all gauges	1,038	(NA)
	Full open head type	3,196	(NA)
34912 31	55 gallon and larger, 18 gauge and heavier	2,135	(NA)
34912 35	19 and 20 gauge	168	(NA)
34912 39	All other capacities, 20 gauge and heavier	893	(NA)
	Light type (full open head or partial opening)	9,234	(NA)
	For sale	8,557	(NA)
	Welded side seam construction	5,262	(NA)
34912 41	Over 30 gallon, 22 to 26 gauge	2,163	(NA)
34912 46	30 gallon and smaller, 22 to 26 gauge	2,057	(NA)
34912 47	All capacities, 28 to 30 gauge	1,042	(NA)
34912 51	Lock side seam construction	3,296	(NA)
34912 41-51	For own use	676	(NA)
34912 61	Grease drums	3,006	(NA)
34913 --	All other metal barrels, including beer barrels and fluid milk shipping containers	(X)	35.9
34913 12	All other metal barrels, including parts for metal barrels and pails	(X)	29.6
34913 31	Metal fluid milk shipping and delivery containers (except crates)	(NA)	6.3
34910 00	Metal barrels, drums, and pails, n.s.k.	(X)	3.3

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3492- --	SAFES AND VAULTS, TOTAL	.....	(X)	79.5	(X)	59.3
	Safes and chests:					
34920 15	Fire-resistive[4]	1,000.....	e146.6	13.3	71.0	8.2
34920 21	Burglary-resistive[4]	...do.....	e23.7	6.6	21.0	5.5
34920 41	Safe deposit boxes	...do.....	e622.5	14.2		
34920 98	All other bank and secruity valuts and equipment, including bank security lockers, night depositories, security equipment for drive-in windows and similar equipment and signaling and alarm equipment when sold together with bank equipment and other interior equipment for safes and chests	.....			(X)	45.6
34920 00	Safes and vaults, not specified by kind. (Represents principally establishments with 10 employees or more in 1967. See Note)	.....	(X)	45.1		
34920 02	Safes and vaults, not specified by kind (Represents principally establishments with fewer than 10 employees in 1967. See Note)	.....	(X)	0.2		
3493- --	STEEL SPRINGS, TOTAL	.....	(X)	264.0	(X)	205.2
	Helical springs, hot wound:					
	Automobile coil springs:					
34930 04	Shipments for domestic replacement, including shipments to U.S. motor vehicle manufacturers for resale	1,000 short tons.....	8.6	3.7		
34930 06	Shipments to U.S. motor vehicle manufacturers or their suppliers for use in original equipment	...do.....	204.9	82.7	128.5	39.1
34930 08	Shipments for export, including transers to other divisions for export	...do.....	6.0	3.7		
34930 15	Locomotive and railroad car	...do.....	52.7	19.5	42.2	13.8
34930 19	Other helical springs, hot wound	...do.....	10.6	4.6	11.6	6.4

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3493- --	STEEL SPRINGS--Continued					
	Leaf springs:					
	Automotive (auto, truck, bus, trailer, etc.):					
34930 51	Shipments for domestic replacement, including shipments to U.S. motor vehicle manufacturers for resale	1,000 short tons	78.1	31.6		
34930 55	Shipments to U.S. motor vehicle manufacturers or their suppliers for use in original equipment	...do...	118.7	41.7	298.4	109.7
34930 57	Shipments for export, including transfers to other divisions for export	...do...	1.8	0.8		
34930 63	Leaf springs for tractors, farm equipment, locomotive and railroad cars, and other heavy equipment	...do...	7.8	2.9	6.7	2.1
34930 71	Flat springs made of sheet and strip	...do...	20.2	45.5	(NA)	19.8
34930 98	Other steel springs (including torsion bar springs), except wire springs	...do...	14.6	7.5	(NA)	7.0
34930 00	Steel springs, n.s.k. (For establishments with 10 or more employees in 1967. See Note.)	...	(X)	18.3	(X)	7.3
34930 02	Steel springs, n.s.k. (For establishments with less than 10 employees in 1967. See Note.)	...	(X)	1.5		

	Product	Unit of measure	Total shipments including interplant transfers	
			Quantity	Value (million dollars)
			1967	
3494- --	VALVES AND PIPE FITTINGS, TOTAL	...	(X)	2,102.8
34941 --	Automatic regulating and control valves, total[5]	...	(X)	312.3
34941 21	Control valves, all metals, pressures and types (power actuated, responding to a signal transmitted from a control instrument regulating an industrial process) or power actuated by signals from instrumentation in a control loop	Million units	(NA)	113.2
34941 50	Automatic regulating valves (self-actuated):			
	Reported in the census of manufactures	...	(X)	193.8
	Reported on annual Form MA-38B	...	(X)	234.0
34941 51	Diaphragm-actuated	...	(X)	108.4
34941 53	Float-actuated (including float cages)	1,000 units..	83.7	3.4
34941 54	Solenoid-actuated	Million units	13.9	64.6
34941 55	Other automatic regulating devices	...	(X)	57.6
34941 00	Automatic regulating and control valves, n.s.k.	...	(X)	5.3
34942 --	Valves for power transfer (pneumatic and hydraulic), total[5]	1,000 units..	(X)	229.5
	Hydraulic valves, all pressures (excluding aircraft):			
34942 31	Directional control	...do...	[e]3,799.4	101.1
34942 33	Pressure control	...do...	684.2	19.5
34942 35	Volume flow control	...do...	566.4	10.3
34942 37	Servovalves	...do...	101.7	24.6
34942 41	Combination	...do...	[e]166.4	6.4
34942 43	Fluidic (including amplifiers, interface devices and transducers)	...do...		
	Pneumatic valves, all pressures (excluding aircraft):			
34942 61	Directional control	...do...	1,154.5	33.1
34942 63	Pressure control (including filter-lubricator-regulator)	...do...	(NA)	7.5
34942 65	Volume control (flow)	...do...	942.6	3.5
34942 67	Combination	...do...	43.0	0.9
34942 71	Fluidic (including amplifiers, interface devices and transducers)	...do...		
34942 98	All other power transfer valves (excluding aircraft)	...do...	(NA)	9.3
34942 00	Valves for power transfer, n.s.k.	...do...	(X)	13.3
34943 --	Other metal valves for piping systems and equipment (except plumbing and heating valves), total[5]	...	(X)	820.3
	Gates, globes angles, straightway (Y type) checks, stop and check, cross, 3- and 4-way, etc. (including remote control operators, but excluding automatic regulating and control valves):			
	Iron (including ductile or nodular), all pressures:			
34943 13	Municipal type (water and sewerage)	1,000 short tons	(NA)	105.9
34943 15	Fire hydrants	...do...	[e]25.1	[e]20.0
34943 17	All other iron valves	...do...	[e]58.5	[e]60.8

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers	
			Quantity	Value (million dollars)
3494- --	VALVES AND PIPE FITTINGS--Continued		1967	
34943 --	Other metal valves for piping systems and equipment (except plumbing and heating valves)--Con. Gates, globes angles, straightway (Y type) checks, stop and check, cross, 3- and 4-way, etc. (including remote control operators, but excluding automatic regulating and control valves)--Continued			
	Steel, all pressures:			
34943 21	Cast and forged carbon steel	1,000 s. tons	42.3	110.0
34943 23	Cast and forged alloy steel (all types, including stainless)	...do	29.8	71.6
34943 25	Brass and bronze (125 lb. w.s.p. and over)	...do	29.6	109.7
34943 31	Ball valves (including operators), all metals, pressures and types	...do	(NA)	61.6
34943 33	Butterfly valves (including operators), all metals, pressures and types	...do	17.7	41.4
34943 35	Plug valves (including operators) all metals, pressures and types (such as lubricated, nonlubricated, cylindrical, eccentric, sleeve lined)	...do	24.3	59.2
34943 37	Cocks and stops, all metals, pressures and types	...do	4.8	13.1
34943 39	Diaphragm and pinch valves (including operators), all metals, pressures and types	...do	(NA)	10.6
34943 41	All other engineered specification valves, 125 lb. w.s.p. and over (including operators), n.e.c.	...do	(NA)	6.6
34943 43	All other general purpose valves (including operators), except plumbing and heating valves, n.e.c.	...do	7.5	24.4
	Pop safety valves and relief valves (over 15 lb. w.s.p.):			
34943 51	Iron	...do	e0.7	2.9
34943 53	Steel (carbon and alloy)	...do	e4.4	28.3
34943 55	Brass and bronze	...do	3.7	14.5
34943 57	Compressed gas cylinder valves	1,000 units	(NA)	8.7
34943 61	Steam traps (over 15 lb. w.s.p.)	Million units	1.1	12.2
34943 98	Other metal valves and specialties	1,000 s. tons	(X)	46.3
34943 00	Other metal valves for piping systems and equipment, n.s.k.	.....	(X)	12.5
34944 --	Plumbing and heating valves and specialties (except plumbers' brass goods), total[5]	.....	(X)	101.2
34944 11	Gates, globes, angles, straightway (Y type) checks, stop and check, cross, 3 and 4 way, drain, etc., brass and bronze (under 125 lb. w.s.p.)	1,000 short tons	19.7	43.0
34944 13	Steam traps (15 lb. w.s.p. and under)	...do	0.5	2.4
34944 15	Pop safety valves and relief valves (15 lb. w.s.p. and under)	...do	0.4	1.5
34944 19	Other metal plumbing and heating valves and specialties (15 lb. w.s.p. and under)	...do	13.2	47.2
34944 00	Plumbing and heating valves and specialties, n.s.k.	...do	(X)	7.1
34945 --	Metal fittings, flanges, and unions for piping systems, total[5]	.....	(X)	484.7
34945 11	Gray iron fittings, flanges, and unions (not for cast iron pipe)	1,000 units	86.0	39.9
	Malleable iron:			
34945 13	Fittings and flanges	...do	89.8	70.1
34945 15	Unions and union fittings	...do	15.4	17.2
	Copper, brass or bronze (used for IPS, DMV and K,L,M copper tubing sizes):			
34945 18	Cast bronze or bronze fittings, flanges, and unions	Million lbs.	77.8	87.1
34945 19	Wrought copper and wrought copper alloy fittings, flanges, and unions	...do		
34945 21	Cast carbon and alloy steel fittings, flanges, and unions	1,000 short tons	2.7	11.4
	Forged carbon and alloy steel:			
34945 23	Fittings and unions	...do	59.9	86.2
34945 25	Flanges (all types)	...do	64.9	51.4
34945 27	Fittings, butt-welding type	...do	38.1	39.3
	Pipe hangers and supports:			
34945 31	Pipe hangers and supports (not including metal framing)	.....	(X)	27.5
34945 33	Metal framing and fittings for mechanical and electrical supports	.....		
34945 98	All other metal fittings and unions for piping systems	...do	(NA)	42.5
34945 00	Metal fittings, flanges and unions for piping systems, n.s.k.	.....	(X)	12.1
34946 --	Fittings and assemblies for tubing and hose (except plumbers' brass goods), total[5 6]	.....	(X)	55.1
	Fittings and assemblies for tubing used in fluid and power transfer systems: Flared type:			
34946 11	Brass and bronze (SAE 45° and 37°)	Million lbs.	6.4	8.0
34946 13	Carbon steel (JIC 37°)	...do	4.2	9.4
34946 15	Other (including alloy steel)	...do		
	Flareless type:			
34946 21	Brass and bronze	...do	7.0	20.1
34946 23	Carbon steel	...do		
34946 25	Other (including alloy steel)	...do		
34946 31	Permanent joint (all metals)	...do		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers	
			Quantity	Value (million dollars)
			1967	
3494- --	VALVES AND PIPE FITTINGS--Continued			
34946 --	Fittings and assemblies for tubing and hose (except plumbers' brass goods)--Continued			
	Hose end fittings and hose assemblies for hydraulic, pneumatic, and fluid transfer systems (except aircraft, household and garden hose fittings and assemblies):			
34946 41	Low pressure hose end fittings and hose assemblies (all metals, fabric reinforced, such as SAE 100R3, 40R2, 30R2) all types	Million units		
	Medium pressure hose end fittings and hose assemblies (all metals, usually single wire reinforced, such as SAE 100R1, 100R5):		9.7	6.9
34946 51	Reusable end fittings	...do		
34946 53	Permanent end fittings	...do		
34946 55	Assemblies with reusable end fittings	...do		
34946 57	Assemblies with permanent end fittings	...do	-	-
	High pressure hose end fittings and hose assemblies (all metals, usually two wire reinforced, such as SAE 100R2A, 100R2B):			
34946 61	Reusable end fittings	...do		
34946 63	Assemblies with reusable end fittings	...do		
34946 65	Permanent end fittings and assemblies with permanent end fittings	...do		
34946 71	Very high pressure hose end fittings and hose assemblies (usually spiral wire reinforced having higher pressure ratings than high pressure assemblies of equivalent inside diameter), all types	...do	16.8	8.1
34946 79	All other hose end fittings and hose assemblies (including suction type, reinforced elastomeric plastics, etc.)	...do		
34946 00	Fittings and assemblies for tubing and hose, n.s.k.	.....	(X)	2.6
34940 00	Valves and fittings, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	94.2
34940 02	Valves and fittings, n.s.k. (For establishments with fewer than 10 employees. See Note.)	.....	(X)	5.7
			1963	
3494- --	VALVES AND PIPE FITTINGS, (EXCEPT PLUMBERS' BRASS GOODS AND FITTINGS), TOTAL	.....	(X)	1,525.4
34941 --	Metal valves for piping systems (except plumbing and heating valves), total	.....	(X)	686.1
	Gates, globes, angles, checks, butterflies, lubricated plugs, codes, stop and checks, cross, etc. (except automatic regulating valves):			
34941 11	Iron (all pressures) (includes fire hydrants)	Short tons	146.2	160.2
34941 13	Steel (carbon and alloy) (all pressures)	...do	65.8	182.4
34941 15	Brass and bronze (125 lb. w.s.p. and over)	...do	33.3	99.1
34941 17	Aluminum	...do	0.6	3.7
	Pop safety valves and relief valves (over 15 lb. w.s.p.):			
34941 31	Iron	...do	2.9	6.9
34941 33	Steel (carbon and alloy)	...do	6.1	24.7
34941 35	Brass and bronze	...do	3.2	12.7
	Automatic regulating valves:			
34941 51	Diaphragm-actuated	.....	(NA)	55.9
34941 53	Float-actuated (include float cages)	.....	(NA)	5.2
34941 54	Solenoid-actuated	1,000 units	1.5	25.7
34941 55	Other automatic regulating valves	.....	(NA)	83.3
34941 57	Compressed gas cylinder valves	.....	(NA)	13.1
34941 00	Metal valves for piping systems, n.s.k.	.....	(X)	13.3
34942 --	Metal fittings and unions for piping systems:			
	Fittings, flanges, and unions	.....	(X)	421.7
34942 11	Gray iron	Short tons	77.2	34.9
	Malleable iron:			
34942 13	Fittings and flanges	...do	85.4	56.9
34942 15	Unions and union fittings	...do	20.4	24.2
34942 21	Cast carbon and alloy steel	...do	7.1	10.5
	Forged carbon and alloy steel:			
34942 23	Fittings and unions	...do	45.0	62.7
34942 25	Flanges	...do	40.0	33.4
34942 27	Fittings, welding type	...do	42.8	34.2
34942 18	Cast and wrought copper and copper-brass alloy	...do	50.3	88.2
34942 19	Aluminum	...do	0.5	1.3
	Steam traps (over 15 lb. w.s.p.):			
34942 51	Thermostatic; and combination float and thermostatic	1,000 units	(NA)	7.5
34942 55	Mechanical	...do	0.4	5.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers	
			Quantity	Value (million dollars)
			1963	
3494- --	VALVES AND PIPE FITTINGS, (EXCEPT PUMBERS' BRASS GOODS AND FITTINGS)--Continued			
34942 --	Metal fittings and unions for piping systems--Continued			
34942 98	Other metal piping specialties for piping systems (except plumbing and heating valves)	.....	(X)	57.0
34942 00	Metal fittings and unions for piping systems, n.s.k.	.....	(X)	6.0
34943 --	Plumbing and heating valves and specialties (except plumbers' brass goods), total	.....	(X)	87.9
34943 11	Gates, globes, angles, checks, butterflies, lubricated plugs, cocks, stop and checks, cross, etc.; brass and bronze valves (under 125 w.s.p.)	Short tons...	11.4	24.3
34943 51	Steam traps (15 lb. w.s.p. and under)	.....	(X)	3.6
34943 98	Other metal plumbing and heating valves and specialties, including pop safety valves and relief valves - 15 lb. w.s.p. and under	.....	(X)	55.4
34943 00	Plumbing and heating valves and specialties, except plumbers' brass goods and fittings, n.s.k.	.....	(X)	4.6
34944 --	Other metal valves and fittings, except plumbers' brass goods and fittings, total	.....	(X)	303.3
34944 71	Pipe hangers and pipe supports	.....	(X)	27.6
34944 81	Valves for power transfer (pneumatic or hydraulic) such as for directional control, pressure control, and flow or volume control	.....	(X)	183.2
34944 98	Other metal valves and fittings, except plumbers' brass goods and fittings	.....	(X)	87.0
34944 00	Other metal valves and fittings, except plumbers' brass goods and fittings, n.s.k.	.....	(X)	5.5
34940 00	Valves and fittings, except plumbers' brass goods and fittings, n.s.k.	.....	(X)	26.5

	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3496	COLLAPSIBLE TUBES, TOTAL	.....	(X)	50.9	(X)	44.2
34960 11	Aluminum	Million gross..	6.6	31.7	4.6	22.6
34960 12	Lead	...do.....	2.2	11.9	3.0	14.5
34960 13	Tin	...do.....	0.8	6.4	0.8	5.9
34960 29	Other, including tin-coated and tin-lead alloy	.....	(X)	0.4	(X)	0.7
34960 00	Collapsible tubes, n.s.k.(Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	0.3	(X)	0.7
34960 02	Collapsible tubes, n.s.k.(Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	0.2	(X)	
3497- --	METAL FOIL AND LEAF, TOTAL	.....	(X)	385.6	(X)	308.7
	Metal foil and leaf (except plain aluminum foil):					
	Laminated or coated foil in rolls and sheet, plain or printed:					
34970 20	Foil laminated and/or coated with polyethylene[7]	Million lbs. (metal content)	47.0	53.5	8.9	11.0
34970 30	Foil laminated and/or coated with materials other than polyethylene[7]	...do.....	80.0	91.0	51.4	67.2
	Converted aluminum foil products made of foil laminated to paper, polyethylene, etc., except bags and liners:[8]					
34970 36	Gift wrap	...do.....	14.2	18.6	[9]12.1	[9]12.0
	Wrappers and wraps:					
34970 28	Food	...do.....	4.9	4.3	10.9	[r]20.9
34970 29	Nonfood	...do.....	0.6	1.0		
34970 38	Other, excluding bags and liners	...do.....	15.5	11.7	30.4	32.0
	Converted aluminum foil products (foil only) except bags and liners:[8]					
34970 32	Household, institutional, and freezer foil	...do.....	133.2	104.6	99.3	83.1
34970 33	Semirigid containers	...do.....	40.0	28.4	52.5	37.1
34970 34	Gift wrap	...do.....	1.4	1.9	([9])	([9])
34970 35	Other foil products, excluding bags and liners	...do.....	22.3	28.1	(NA)	16.2
34970 47	Other foil, including composition (combination of two or more metals)	...do.....	(X)	20.2	(X)	10.0
	Leaf:					
34970 51	Gold leaf	.....	(X)	1.0	(X)	5.4
34970 57	Other leaf	.....	(X)	13.4	(X)	11.0
34970 00	Metal foil and leaf, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	5.9	(X)	3.0
34970 02	Metal foil and leaf, n.s.k. (For establishments with less than 10 employees. See Note.)	.....	(X)	2.0		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3498- --	FABRICATED PIPE AND FITTINGS, TOTAL	.....	(X)	486.3	(X)	286.5
34980 13	Iron and steel	1,000 short tons	(NA)	334.8	(NA)	201.5
34980 15	Aluminum and aluminum-base alloy	Million lbs.	(NA)	13.0	(NA)	13.4
34980 17	Copper and copper-base alloy	...do.	(NA)	17.1	([10])	([10])
34980 19	All other nonferrous fabricated pipe and pipe fittings	.....	(X)	35.2	(X)	40.8
34980 00	Fabricated pipe and fittings, n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	81.5	(X)	30.8
34980 02	Fabricated pipe and fittings, n.s.k. (For establishments with fewer than 10 employees. See Note.)	.....	(X)	5.0		
3499- --	FABRICATED METAL PRODUCTS, N.E.C., TOTAL	.....	(X)	1,172.9	(X)	753.4
	Metal ladders:					
34990 43	Step and platform types	1,000 units	(NA)	11.6	628.4	15.9
34990 45	Extension, straight, trestle, and trestle-extension ladders	...do.	607.3	9.5		
34990 54	Metal ironing boards	...do.	2,468.2	12.7	2,213.6	12.9
34990 55	Permanent magnets	.....	(X)	58.1	(X)	36.8
34990 56	Fabricated assemblies of railroad frogs, switches, and crossings	1,000 short tons	188.6	76.0	173.9	53.8
34990 57	Metal strapping, flat	...do.	403.7	129.9	297.6	82.2
34990 58	Cast metal memorial tablets and grave markers	.....	(X)	10.9	(X)	465.2
34990 59	Other fabricated metal products, n.e.c. (including metal ammunition boxes and chests)	.....	(X)	661.6		
34990 00	Fabricated metal products, n.e.c., n.s.k. (For establishments with 10 or more employees. See Note.)	.....	(X)	182.8	(X)	86.8
34990 02	Fabricated metal products, n.e.c., n.s.k. (For establishments with fewer than 10 employees. See Note.)	.....	(X)	19.8		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands rather than rounding in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (e) From 10 to 30 percent of this figure was estimated.

[1]Annual data are published for these products in Current Industrial Reports Series MA33B "Steel Mill Products."

[2]Steel shipping packages, kegs, and pails are defined as single-walled shipping containers with a range of capacity from 1 to 12 gallons inclusive, constructed of steel sheet of 29 gauge and heavier. This definition does not include tin cans (packers' cans, general line cans, and beer cans), terneplate oil containers, fluid milk shipping containers, ice cream cans, gas cylinders, beer barrels, reconditioned barrels and drums, or containers not commercially usable in the transportation of commodities.

[3]Steel shipping barrels and drums are defined as single-walled cylindrical or bilged shipping containers, with a range of capacity from 12 to 132 gallons, constructed of steel. This definition does not include tin cans (packers' cans, general line cans, and beer cans), terneplate oil containers, high and low pressure gas steel cylinders, fluid milk shipping containers, ice cream cans, or containers not commercially usable in the transportation of commodities.

[4]Safes and vaults are shown as fire-resistive or burglary resistive, depending on the primary purpose for which they are built.

[5]The definitions of the product classes in this industry were changed significantly in 1967 from those used in 1966 and earlier years and, therefore, comparable data are not available.

[6]Includes only the value of fittings and assemblies for tubing and hose reported as such. Furthermore, it represents principally fittings and assemblies reported by establishments classified in the Valves and Pipe Fittings Industry. An indeterminate amount of these products have been classified by respondents as rubber hose and tubing (SIC 3069), flexible metal hose and tubing (SIC 3599), hardware hose fittings and couplings (SIC 3429), screw machine products (SIC 3451), and refrigeration machinery (SIC 3585).

[7]More detailed data are available in Current Industrial Reports Series M26F, "Converted Flexible Packaging Products." There are inconsistencies in classification between these two surveys.

[8]More detailed data on converted aluminum foil are available in Current Industrial Reports Series MA-34P, "Aluminum Foil Converted." That report contains data on poundages of aluminum foil converted by end use. However, it is not possible to precisely compare the data in this industry with data in the annual Current Industrial Report. Some of the products for which aluminum foil consumption is reported in the annual survey are produced for use by the same company to package a commodity. In such cases, the converted aluminum foil product is not included in this industry but is included as a portion of the value of the packaged commodity.

[9]Data for product code 3497034 included with product code 3497036.

[10]In 1963 product code 3498017, "Copper and Copper-base Alloy" was included with product code 3498019, "All other nonferrous fabricated pipe and pipe fittings.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
NONINSULATED FERROUS WIRE ROPE, CABLE, ETC. (34811 AND 33151)		
United States	246.0	189.9
Northeast Region	131.6	102.1
New England Div.	37.9	16.8
Massachusetts	FF	(1)
Connecticut	EE	(1)
Middle Atlantic Div.	93.7	85.3
New York	3.8	8.1
New Jersey	33.5	33.4
Pennsylvania	56.4	43.8
North Central Region	62.8	(D)
East North Central	FF	30.2
Ohio	3.3	2.5
Indiana	BB	(1)
Illinois	13.4	(1)
Wisconsin	CC	(1)
West North Central Div.	FF	(D)
Missouri	FF	(1)
South Region	27.7	(D)
South Atlantic Div.	22.0	10.3
Maryland	10.2	(1)
Virginia	CC	(1)
Florida	BB	(1)
West South Central Div.	5.6	3.1
Louisiana	AA	(D)
Texas	BB	3.1
West Region	23.9	(D)
Mountain Div.	BB	(D)
Colorado	BB	(1)
Pacific Div.	EE	17.4
Washington	BB	(1)
California	EE	(1)
PRECISION MECHANICAL SPRINGS (34812)		
United States	211.0	150.0
Northeast Region	54.9	36.9
New England Div.	30.2	16.5
Massachusetts	3.8	(1)
Connecticut	26.5	14.8
Middle Atlantic Div.	24.6	20.4
New York	5.7	5.5
New Jersey	1.7	1.4
Pennsylvania	17.3	13.5
North Central Region	138.6	(D)
East North Central Div.	136.8	(D)
Ohio	11.5	(1)
Indiana	16.5	12.9
Illinois	58.2	41.2
Michigan	49.3	39.0
Wisconsin	1.4	(D)
West North Central Div.	1.8	(D)
Minnesota	AA	(D)
PRECISION MECHANICAL SPRINGS (34812)--Con.		
South Region	6.4	(D)
South Atlantic Div.	1.3	(D)
East South Central Div.	BB	(D)
Kentucky	BB	(1)
West South Central Div.	BB	(D)
Texas	BB	(D)
West Region	11.2	(D)
Pacific Div.	11.2	7.4
California	EE	(1)
OTHER WIRE SPRINGS (34813)		
United States	254.1	239.5
Northeast Region	31.6	26.4
New England Div.	9.1	8.7
Massachusetts	6.2	6.2
Connecticut	2.9	2.6
Middle Atlantic Div.	22.5	17.6
New York	5.6	2.5
New Jersey	2.6	2.3
Pennsylvania	14.2	12.8
North Central Region	141.6	152.5
East North Central Div.	125.8	142.7
Ohio	29.4	32.0
Indiana	15.4	12.6
Illinois	35.9	54.5
Michigan	42.0	41.0
Wisconsin	3.1	2.6
West North Central Div.	15.8	9.8
Missouri	9.9	6.7
Nebraska	BB	(D)
Kansas	1.6	(D)
South Region	59.9	(D)
South Atlantic Div.	19.2	14.0
Maryland	BB	(1)
North Carolina	12.8	9.7
Georgia	AA	(D)
East South Central Div.	23.9	17.1
Kentucky	EE	(1)
Tennessee	AA	(D)
Mississippi	BB	(1)
West South Central Div.	16.8	(D)
Arkansas	EE	(D)
Texas	CC	(1)
West Region	21.0	(D)
Mountain Div.	BB	(D)
Colorado	AA	(1)
Pacific Div.	EE	23.6
California	16.8	21.9
FERROUS WIRE CLOTH AND OTHER FERROUS WOVEN WIRE PRODUCTS (33157 AND 34814)		
United States	89.3	72.3
Northeast Region	23.7	25.8
New England Div.	10.2	9.2
Massachusetts	BB	4.9
Rhode Island	AA	(D)
Connecticut	BB	(1)
FERROUS WIRE CLOTH AND OTHER FERROUS WOVEN WIRE PRODUCTS (33157 AND 34814)--Con.		
Northeast Region--Con		
Middle Atlantic Div.	13.5	16.6
New York	BB	(D)
Pennsylvania	7.9	10.2
North Central Region	39.8	(D)
East North Central Div.	FF	24.3
Ohio	11.6	7.8
Indiana	AA	(1)
Illinois	18.8	12.4
Michigan	AA	(1)
West North Central Div.	CC	(D)
Minnesota	AA	(D)
Missouri	CC	(D)
South Region	17.4	(D)
South Atlantic Div.	9.8	(D)
Maryland	CC	(D)
North Carolina	BB	(D)
East South Central Div.	CC	4.4
Kentucky	BB	(D)
Alabama	BB	(D)
West Region	8.5	(D)
Pacific Div.	CC	7.3
Oregon	AA	(1)
California	5.8	(D)
NONFERROUS WIRE CLOTH AND OTHER WOVEN WIRE PRODUCTS (33575 AND 34815)		
United States	90.1	70.5
Northeast Region	38.1	33.3
New England Div.	7.5	7.6
Massachusetts	BB	4.6
Connecticut	BB	(1)
Middle Atlantic Div.	30.7	25.7
New York	2.9	(1)
New Jersey	8.2	12.0
Pennsylvania	19.6	(1)
North Central Region	27.7	(D)
East North Central Div.	FF	13.3
Ohio	EE	(1)
Illinois	BB	(D)
Wisconsin	EE	(1)
South Region	23.3	(D)
South Atlantic Div.	13.3	11.7
Georgia	8.0	(D)
Florida	BB	6.5
East South Central Div.	CC	6.9
Alabama	CC	(1)
Mississippi	BB	(1)
FENCING AND FENCE GATES (33156 AND 34816)		
United States	103.8	115.5
Northeast Region	7.6	9.3
New England Div.	BB	3.8
Massachusetts	BB	(D)
Middle Atlantic Div.	BB	5.5
New York	1.5	1.4
New Jersey	BB	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
FENCING AND FENCE GATES (33156 AND 34816)--Con.		
North Central Region....	54.4	55.0
East North Central Div....	42.8	43.4
Ohio....	11.0	8.0
Indiana....	CC	5.5
Illinois....	19.8	28.4
Wisconsin....	BB	(D)
West North Central Div....	11.6	11.6
Minnesota....	CC	(1)
Missouri....	CC	(1)
South Region....	43.6	(D)
South Atlantic Div....	18.5	13.4
Maryland....	EE	(1)
Georgia....	BB	(D)
East South Central Div....	CC	(D)
Alabama....	CC	(1)
West South Central Div....	EE	18.6
Oklahoma....	BB	(1)
West Region....	25.2	(D)
Mountain Div....	BB	(D)
Colorado....	BB	(1)
Pacific Div....	FF	12.5
California....	21.6	12.4
OTHER FABRICATED WIRE PRODUCTS (33159 AND 34819)		
United States....	668.2	501.5
Northeast Region....	196.6	177.6
New England Div....	35.7	27.3
Massachusetts....	9.6	9.6
Rhode Island....	1.9	(1)
Connecticut....	24.1	16.5
Middle Atlantic Div....	160.9	150.3
New York....	43.9	44.9
New Jersey....	33.9	23.3
Pennsylvania....	83.1	82.1
North Central Region....	290.8	206.5
East North Central Div....	227.6	163.6
Ohio....	37.9	24.0
Indiana....	35.7	27.1
Illinois....	106.1	77.6
Michigan....	41.0	29.4
Wisconsin....	6.9	5.5
West North Central Div....	63.1	42.9
Minnesota....	15.8	8.2
Iowa....	10.0	8.0
Missouri....	30.8	22.3
Nebraska....	AA	(D)
Kansas....	5.1	3.0
South Region....	113.5	68.0
South Atlantic Div....	49.0	24.0
Delaware....	CC	(1)
Maryland....	19.1	12.1
North Carolina....	BB	1.7
Georgia....	5.9	2.9
Florida....	12.1	4.5
East South Central Div....	41.6	23.8
Kentucky....	BB	(D)
Tennessee....	15.5	8.9
Alabama....	18.8	13.8
OTHER FABRICATED WIRE PRODUCTS (33159 AND 34819)--Con.		
South Region--Con.		
West South Central Div....	22.9	20.2
Arkansas....	BB	1.0
Louisiana....	BB	(1)
Texas....	10.4	11.7
West Region....	67.3	49.4
Mountain Div....	FF	15.9
Colorado....	FF	(1)
Pacific Div....	FF	33.5
Washington....	3.8	2.2
California....	40.2	31.1
Oregon....	AA	(D)
STEEL PAILS (12-GALLON CAPACITY AND UNDER) (34911)		
United States....	111.6	87.2
Northeast Region....	27.0	(D)
Middle Atlantic Div....	FF	23.7
New Jersey....	15.3	(1)
Pennsylvania....	10.3	9.4
North Central Region....	46.3	39.6
East North Central Div....	FF	38.0
Ohio....	14.0	(D)
Illinois....	26.5	23.3
Wisconsin....	BB	(1)
West North Central Div....	AA	1.6
Kansas....	AA	(1)
South Region....	25.0	(D)
South Atlantic Div....	11.5	3.9
South Carolina....	BB	(1)
Georgia....	BB	(D)
Florida....	3.3	(D)
East South Central Div....	BB	(D)
Alabama....	BB	(1)
West South Central Div....	CC	7.6
Louisiana....	BB	(1)
Texas....	5.9	(1)
West Region....	13.2	(D)
Pacific Div....	13.2	10.1
California....	EE	(1)
STEEL SHIPPING BARRELS AND DRUMS, OVER 12-GALLON CAPACITY (34912)		
United States....	212.6	191.5
Northeast Region....	59.8	60.0
New England Div....	CC	(D)
Connecticut....	BB	(1)
Middle Atlantic Div....	GG	(D)
New York....	CC	(1)
New Jersey....	38.5	38.8
Pennsylvania....	10.8	(1)
North Central Region....	69.5	64.9
East North Central Div....	64.7	58.2
Ohio....	24.7	24.1
Illinois....	35.6	30.9
Michigan....	4.4	(1)
STEEL SHIPPING BARRELS AND DRUMS, OVER 12-GALLON CAPACITY (34912)--Con.		
North Central Region--Con.		
West North Central Div....	4.8	6.7
Kansas....	BB	(1)
South Region....	63.2	49.7
South Atlantic Div....	13.2	5.6
West Virginia....	EE	(1)
East South Central Div....	8.8	6.2
Tennessee....	BB	(1)
Alabama....	5.4	(1)
West South Central Div....	41.2	37.8
Louisiana....	17.1	17.4
Texas....	24.0	20.5
West Region....	20.1	17.0
Pacific Div....	20.1	(D)
Washington....	AA	(D)
Oregon....	AA	(D)
California....	17.3	(1)
ALL OTHER METAL BARRELS (34913)		
United States....	45.5	35.9
Northeast Region....	4.9	(D)
Middle Atlantic Div....	4.9	8.9
New York....	BB	2.7
Pennsylvania....	AA	(1)
North Central Region....	16.9	(D)
East North Central Div....	11.1	16.3
Ohio....	5.5	2.8
Indiana....	BB	(1)
Illinois....	AA	(1)
West North Central Div....	5.8	4.8
Minnesota....	AA	(1)
Missouri....	BB	(1)
South Region....	BB	(D)
Maryland....	AA	(D)
South Carolina....	AA	(1)
East South Central Div....	AA	(D)
Alabama....	AA	(D)
West Region....	EE	(D)
Pacific Div....	EE	(D)
California....	EE	(D)
AUTOMATIC REGULATING AND CONTROL VALVES (34941)		
United States....	312.3	(NA)
Northeast Region....	122.1	(NA)
New England Div....	39.6	(NA)
New Hampshire....	CC	(NA)
Massachusetts....	24.3	(NA)
Rhode Island....	CC	(NA)
Middle Atlantic Div....	82.4	(NA)
New York....	8.9	(NA)
New Jersey....	39.4	(NA)
Pennsylvania....	34.1	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
AUTOMATIC REGULATING AND CONTROL VALVES (34941)--Con.		
North Central Region....	138.9	(NA)
East North Central Div....	GG	(NA)
Ohio.....	26.0	(NA)
Indiana.....	4.2	(NA)
Illinois.....	33.4	(NA)
Michigan.....	BB	(NA)
Wisconsin.....	8.8	(NA)
West North Central Div....	GG	(NA)
Iowa.....	GG	(NA)
Missouri.....	EE	(NA)
South Region.....	28.2	(NA)
South Atlantic Div.....	BB	(NA)
West Virginia.....	AA	(NA)
North Carolina.....	BB	(NA)
East South Central Div....	BB	(NA)
Tennessee.....	BB	(NA)
West South Central Div....	20.7	(NA)
Oklahoma.....	12.4	(NA)
Texas.....	8.3	(NA)
West Region.....	23.2	(NA)
Pacific Div.....	FF	(NA)
Oregon.....	BB	(NA)
California.....	20.5	(NA)
VALVES FOR POWER TRANSFER (PNEUMATIC AND HYDRAULIC) (34942)		
United States.....	229.5	(NA)
Northeast Region.....	45.1	(NA)
New England Div.....	11.8	(NA)
Massachusetts.....	BB	(NA)
Rhode Island.....	4.2	(NA)
Connecticut.....	BB	(NA)
Middle Atlantic Div.....	33.3	(NA)
New York.....	EE	(NA)
New Jersey.....	9.9	(NA)
Pennsylvania.....	CC	(NA)
North Central Region....	125.7	(NA)
East North Central Div....	84.9	(NA)
Ohio.....	29.0	(NA)
Illinois.....	CC	(NA)
Michigan.....	40.0	(NA)
Wisconsin.....	CC	(NA)
West North Central Div....	40.8	(NA)
Minnesota.....	EE	(NA)
Missouri.....	EE	(NA)
Nebraska.....	EE	(NA)
South Region.....	14.2	(NA)
South Atlantic Div.....	8.4	(NA)
North Carolina.....	CC	(NA)
Florida.....	BB	(NA)
East South Central Div....	BB	(NA)
Kentucky.....	BB	(NA)
West South Central Div....	AA	(NA)
Texas.....	AA	(NA)
West Region.....	44.6	(NA)
Mountain Div.....	CC	(NA)
Colorado.....	CC	(NA)
Pacific Div.....	FF	(NA)
California.....	FF	(NA)
OTHER METAL VALVES FOR PIPING SYSTEMS, EXCEPT PLUMBING AND HEATING (34943)		
United States.....	820.3	(NA)
Northeast Region.....	238.2	(NA)
New England Div.....	97.2	(NA)
Maine.....	AA	(NA)
Massachusetts.....	62.4	(NA)
Rhode Island.....	BB	(NA)
Connecticut.....	FF	(NA)
Middle Atlantic Div.....	141.0	(NA)
New York.....	31.2	(NA)
New Jersey.....	33.8	(NA)
Pennsylvania.....	76.0	(NA)
North Central Region....	284.1	(NA)
East North Central Div....	254.3	(NA)
Ohio.....	101.7	(NA)
Indiana.....	15.8	(NA)
Illinois.....	106.6	(NA)
Michigan.....	18.1	(NA)
Wisconsin.....	12.0	(NA)
West North Central Div....	29.8	(NA)
Minnesota.....	CC	(NA)
Iowa.....	CC	(NA)
Missouri.....	AA	(NA)
Nebraska.....	EE	(NA)
Kansas.....	BB	(NA)
South Region.....	213.5	(NA)
South Atlantic Div.....	EE	(NA)
North Carolina.....	EE	(NA)
East South Central Div....	GG	(NA)
Kentucky.....	EE	(NA)
Tennessee.....	35.6	(NA)
Alabama.....	FF	(NA)
West South Central Div....	126.4	(NA)
Arkansas.....	CC	(NA)
Louisiana.....	EE	(NA)
Oklahoma.....	11.3	(NA)
Texas.....	90.6	(NA)
West Region.....	84.5	(NA)
Mountain Div.....	BB	(NA)
Colorado.....	BB	(NA)
Pacific Div.....	GG	(NA)
Oregon.....	BB	(NA)
California.....	77.4	(NA)
PLUMBING AND HEATING VALVES, ETC., EXCEPT BRASS GOODS (34944)		
United States.....	101.2	(NA)
Northeast Region.....	20.1	(NA)
New England Div.....	2.7	(NA)
Massachusetts.....	BB	(NA)
Middle Atlantic Div.....	17.4	(NA)
New York.....	BB	(NA)
New Jersey.....	CC	(NA)
Pennsylvania.....	6.3	(NA)
North Central Region....	60.1	(NA)
East North Central Div....	52.9	(NA)
Ohio.....	11.8	(NA)
Indiana.....	7.8	(NA)
Illinois.....	24.4	(NA)
Michigan.....	CC	(NA)
Wisconsin.....	BB	(NA)
PLUMBING AND HEATING VALVES, ETC., EXCEPT BRASS GOODS (34944)--Con.		
North Central Region --Con.		
West North Central Div....	7.3	(NA)
Iowa.....	5.1	(NA)
Missouri.....	AA	(NA)
South Region.....	16.8	(NA)
South Atlantic Div.....	CC	(NA)
Virginia.....	AA	(NA)
West Virginia.....	CC	(NA)
East South Central Div....	AA	(NA)
Alabama.....	AA	(NA)
West South Central Div....	CC	(NA)
Texas.....	CC	(NA)
West Region.....	4.1	(NA)
Pacific Div.....	4.1	(NA)
California.....	4.1	(NA)
METAL FITTINGS, FLANGES, AND UNIONS FOR PIPING SYSTEMS (34945)		
United States.....	484.7	(NA)
Northeast Region.....	175.9	(NA)
New England Div.....	33.1	(NA)
Maine.....	AA	(NA)
Massachusetts.....	10.1	(NA)
Rhode Island.....	15.9	(NA)
Connecticut.....	CC	(NA)
Middle Atlantic Div.....	142.8	(NA)
New York.....	14.3	(NA)
New Jersey.....	15.1	(NA)
Pennsylvania.....	113.4	(NA)
North Central Region....	179.6	(NA)
East North Central Div....	166.8	(NA)
Ohio.....	41.7	(NA)
Indiana.....	FF	(NA)
Illinois.....	44.5	(NA)
Michigan.....	EE	(NA)
Wisconsin.....	FF	(NA)
West North Central Div....	12.8	(NA)
Missouri.....	CC	(NA)
Kansas.....	BB	(NA)
South Region.....	112.2	(NA)
South Atlantic Div.....	10.3	(NA)
Delaware.....	BB	(NA)
Georgia.....	CC	(NA)
Florida.....	AA	(NA)
East South Central Div....	61.8	(NA)
Kentucky.....	FF	(NA)
Alabama.....	FF	(NA)
Mississippi.....	BB	(NA)
West South Central Div....	40.2	(NA)
Arkansas.....	CC	(NA)
Texas.....	FF	(NA)
West Region.....	17.1	(NA)
Mountain Div.....	BB	(NA)
Colorado.....	BB	(NA)
Pacific Div.....	EE	(NA)
California.....	11.9	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
FITTINGS AND ASSEMBLIES FOR TUBING, EXCEPT BRASS (34946)		
United States	55.1	(NA)
Northeast Region	2.2	(NA)
Middle Atlantic Div.	BB	(NA)
Pennsylvania	AA	(NA)
North Central Region	49.2	(NA)
East North Central Div.	49.2	(NA)
Ohio	FF	(NA)
Indiana	CC	(NA)
Illinois	9.2	(NA)
Michigan	BB	(NA)
South Region	3.1	(NA)
South Atlantic Div.	AA	(NA)
North Carolina	AA	(NA)
West South Central Div.	AA	(NA)
Texas	AA	(NA)
METAL FOIL AND LEAF (34970)		
United States	385.6	329.9
Northeast Region	88.8	62.4
New England Div.	19.6	18.7
Vermont	AA	(1)
Massachusetts	CC	(1)
Connecticut	12.2	10.6
Middle Atlantic Div.	69.2	43.7
New York	23.5	14.8
New Jersey	33.1	19.3
Pennsylvania	12.6	9.6
North Central Region	85.9	(D)
East North Central Div.	78.9	57.8
Ohio	43.0	33.2
Indiana	CC	(1)
Illinois	FF	18.6
Wisconsin	4.8	(1)
METAL FOIL AND LEAF (34970)--Con.		
North Central Region--Con.		
West North Central Div.	7.0	30.8
Minnesota	BB	(1)
Iowa	BB	(1)
Missouri	BB	(1)
South Region	193.5	159.8
South Atlantic Div.	74.3	(D)
Maryland	BB	(D)
Virginia	FF	(1)
North Carolina	EE	(1)
Georgia	BB	(D)
East South Central Div.	102.8	(D)
Kentucky	GG	(1)
Tennessee	FF	(1)
Mississippi	BB	(D)
West South Central Div.	16.4	(D)
Arkansas	BB	(1)
Louisiana	BB	(D)
Texas	CC	(D)
West Region	17.4	(D)
Mountain Div.	AA	(D)
Arizona	AA	(D)
Pacific Div.	EE	19.0
California	15.2	(1)
FABRICATED METAL PRODUCTS, N.E.C. (34990)		
United States	1172.9	753.4
Northeast Region	380.9	263.0
New England Div.	104.7	69.1
Maine	AA	(D)
Massachusetts	44.8	27.0
Rhode Island	13.9	9.8
Connecticut	43.5	30.3
Middle Atlantic Div.	276.2	193.9
New York	89.4	72.5
New Jersey	54.0	30.3
Pennsylvania	132.8	91.1
FABRICATED METAL PRODUCTS, N.E.C. (34990)--Con.		
North Central Region	506.3	347.2
East North Central Div.	450.8	306.7
Ohio	99.9	50.1
Indiana	43.9	40.7
Illinois	219.5	152.6
Michigan	71.9	52.9
Wisconsin	15.6	10.3
West North Central Div.	55.6	40.5
Minnesota	16.1	13.3
Iowa	12.0	6.9
Missouri	25.3	17.5
Kansas	1.4	2.3
South Region	159.3	82.4
South Atlantic Div.	93.4	55.4
Delaware	BB	(D)
Maryland	36.0	24.2
Virginia	8.7	2.3
West Virginia	FF	(1)
North Carolina	1.8	2.8
South Carolina	2.9	(1)
Georgia	CC	3.4
Florida	11.8	4.9
East South Central Div.	33.9	7.5
Kentucky	14.0	4.3
Tennessee	5.5	1.7
Alabama	BB	(1)
Mississippi	EE	(D)
West South Central Div.	32.0	19.5
Arkansas	3.2	(1)
Louisiana	4.1	(1)
Oklahoma	9.3	3.1
Texas	15.4	9.5
West Region	126.2	60.6
Mountain Div.	21.4	13.1
Colorado	16.0	(1)
Arizona	4.4	1.2
Pacific Div.	104.8	47.5
Oregon	3.1	1.4
California	100.7	44.8

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3481	Miscellaneous fabricated wire products	1,833.3	1,821.0	1,690.6	1,488.0	1,399.3	1,164.2	982.7	(NA)
34811 33151	Noninsulated ferrous wire rope, cable etc	246.0	253.1	240.8	203.7	189.9	163.4	142.9	128.3
34812	Precision mechanical springs	211.0	222.6	196.7	166.3	150.0	109.0	98.0	(NA)
34812	Other wire springs	254.1	291.6	272.1	238.3	239.5	187.8	191.1	(NA)
34814 33157	Wire cloth, and other woven ferrous wire products	89.3	111.0	90.0	85.0	72.3	157.0	131.2	90.8
34815 33575	Wire cloth, other nonferrous wire products	90.0	95.3	85.9	73.8	70.5			
34816 33156	Fencing and fence gates (not wiredrawing)	130.8	144.3	138.8	126.9	115.5	103.3	92.9	63.3
34819 33159	Other fabricated wire products (not wiredrawing)	668.2	651.8	608.5	525.2	501.5	405.7	313.4	214.7
34810	Miscellaneous fabricated wire products, n.s.k	143.9	(51.3)	(57.8)	68.8	60.0	38.1	13.3	(NA)
3491-	Metal barrels, drums, and pails	378.2	379.6	365.0	338.2	317.9	259.0	211.3	179.6
34911	Steel shipping pails (1 to 12 gal. capacity)	111.6	108.9	105.5	89.9	87.2	80.2	54.8	35.6
34912	Steel shipping barrels drums over 12 gal	212.6	213.5	199.0	203.7	191.5	162.4	143.9	107.7
34913	All other metal barrels	45.5	(54.4)	57.7	41.2	35.9	14.7	12.6	36.2
34910	Metal barrels, drums, and pails, n.s.k	8.5	2.8	2.7	3.4	3.3	1.6	(NA)	(NA)
34920	Safes and vaults	79.5	64.9	63.1	60.8	59.3	45.1	34.0	28.7
34930	Steel springs	264.0	231.5	219.9	208.1	205.2	133.1	129.6	118.5
3494-	Valves and pipe fittings	2,102.8	2,140.3	1,847.5	1,612.8	1,525.4	1,193.0	911.7	557.4
34941	Automatic regulating and control valves	312.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34942	Valves for power transfer (pneumatic and hydraulic)	229.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34943	Other metal valves for piping systems and equipment (except plumbing and heating valves)	820.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34944	Plumbing and heating valves and specialties (except plumbers' brass goods)	101.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34945	Metal fittings, flanges and unions for piping systems	484.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34946	Fittings and assemblies for tubing and hose (except plumbers brass goods)	55.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
34940	Valves and fittings, n.s.k	99.9	(67.2)	(43.4)	24.7	26.5	20.3	4.5	9.0
34960	Collapsible tubes	50.9	53.6	50.7	45.7	44.2	37.2	34.1	23.8
34970	Metal foil and leaf	385.6	367.7	354.1	351.8	329.9	145.5	128.4	66.5
34980	Fabricated pipe and fittings	486.3	454.6	348.0	313.0	286.5	265.4	214.1	110.0
34990	Fabricated metal products, n.e.c	1,172.9	1,126.1	960.0	856.3	753.4	443.6	364.8	107.9

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967 Quantity	1967 Delivered cost (million dollars)	1963 Quantity	1963 Delivered cost (million dollars)
	INDUSTRY 3481.--MISCELLANEOUS FABRICATED WIRE PRODUCTS, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	487.1	(X)	433.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	36.8	6.9	30.5	5.4
331012	Sheet and strip	...do.....	98.5	22.6	137.1	24.8
331015	Structural shapes	...do.....	15.5	4.5	2.5	0.6
331017	Wire and wire products	...do.....	963.0	224.4	908.4	201.8
331019	All other carbon steel mill shapes and forms	...do.....	[1]44.3	[1]9.3	29.8	7.1
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	15.9	4.5	14.1	3.3
331029	All other alloy steel mill shapes and forms	...do.....	6.4	4.3	7.2	4.2
331031	Stainless steel mill shapes and forms	...do.....	5.6	11.6	5.2	10.3
	Copper and copper-base alloy mill shapes and forms:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	10.4	6.8	7.0	4.5
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	1.5	1.7	2.0	1.5
335127	Pipe and tube	...do.....	([2])	([2])	1.3	1.0
	Aluminum and aluminum-base alloy mill shapes and forms:					
335202	Sheet, plate and foil	...do.....	2.3	1.0	6.2	1.9
335205	Extruded shapes (including extruded rod, bar, pipe, tube etc.)	...do.....	1.2	0.5	6.9	2.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing etc.)	...do.....	9.0	3.8	7.4	3.3
332300	Steel castings (rough and semifinished):[3]	1,000 short tons.	([2])	([2])	5.0	2.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	95.4	(X)	84.0
976000	Materials, parts, containers, etc., n.s.k.[4]	.....	(X)	89.8	(X)	74.7
	INDUSTRY 3491.--METAL BARRELS, DRUMS, AND PAILS					
	Materials, parts, containers, and supplies, total	.....	(X)	211.9	(X)	176.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	844.6	125.9	727.1	106.3
331018	Tin plate, terneplate and black plate	...do.....	59.5	9.7	38.2	5.6
331017	Wire and wire products	...do.....			10.8	1.8
331011	Bar and bar shapes	...do.....			3.5	0.5
331019	All other carbon steel mill shapes and forms	...do.....	49.5	8.5	27.8	4.3
331020	Alloy steel (except stainless)	...do.....				
331031	Stainless steel mill shapes and forms	...do.....			4.2	3.0
	Aluminum and aluminum-base alloy:					
335202	Sheet plate and foil	Million pounds...	4.3	2.4	(NA)	(NA)
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, extruded shapes, etc.)	...do.....				
285101	Paints, varnishes, lacquers, japans and enamels, etc	1,000 gallons....	3,440.3	11.0	(NA)	(NA)
260091	Paper and paperboard containers, including corrugated boxes	.....	(X)	1.1	(NA)	(NA)
970000	All other materials and components, parts, containers, and supplies consumed	.....	(X)	45.4	(X)	45.7
976000	Materials, components, parts, containers, etc., n.s.k.[4]	.....	(X)	7.9	(X)	8.7

Code	Material	1967 Quantity (1,000 short tons)	1967 Delivered cost (million dollars)	1963 Quantity (1,000 short tons)	1963 Delivered cost (million dollars)
	INDUSTRY 3492.--SAFES AND VAULTS				
	Materials, containers, parts, and supplies, total	(X)	25.8	(X)	20.2
	Mill shapes and forms (except castings):				
	Carbon steel:				
331011	Bars and bar shapes				
331012	Sheet and strip				
331017	Wire and wire products				
331019	All other carbon steel mill shapes and forms	38.3	9.7	(D)	(D)
	Alloy steel (except stainless):				
331021	Bars and bar shapes				
331029	All other alloy steel mill shapes and forms				
331031	Stainless steel mill shapes and forms				
970099	All other materials and components, parts, containers, and supplies consumed	(X)	15.3	(D)	(D)
976000	Materials, parts, containers, etc., n.s.k.[4]	(X)	0.8		

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3493.--STEEL SPRINGS					
	Materials, containers, parts, and supplies, total	.....	(X)	90.5	(X)	82.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	90.7	15.3	65.5	11.0
331012	Sheet and strip	...do.....	24.4	6.5	49.6	8.9
331017	Wire and wire products	...do.....	11.0	5.1	11.7	5.4
331019	All other carbon steel mill shapes and forms	...do.....	1.2	0.2	2.3	0.6
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	155.8	28.0	206.5	35.4
331029	All other alloy steel mill shapes and forms	...do.....	8.6	2.0		
331031	Stainless steel mill shapes and forms	...do.....	0.2	0.4	0.2	0.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	13.1	(X)	18.0
976000	Materials, parts, containers, etc., n.s.k.[4]	.....	(X)	19.9	(X)	2.6
	INDUSTRY 3494.--VALVES AND PIPE FITTINGS					
	Materials, parts, containers,and supplies, total	.....	(X)	799.0	(X)	569.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	107.3	23.7	61.8	11.7
331012	Sheet and strip	...do.....	18.3	3.8	39.6	6.6
331013	Plates	...do.....	32.3	7.3	26.8	4.5
331019	All other carbon steel mill shapes and forms	...do.....	53.8	14.1	54.6	13.1
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	12.9	4.1	15.1	4.3
331029	All other alloy steel mill shapes and forms	...do.....	11.6	4.7	9.0	3.6
331031	Stainless steel mill shapes and forms	...do.....	17.0	22.9	12.4	16.5
	Copper and copper base alloy:					
335790	Insulated wire and cable	Million lbs. copper content..	3.6	3.0	0.8	0.8
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	115.2	60.0	109.4	37.8
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(NA)	3.1	4.0	2.0
335127	Pipe and tube	...do.....	26.4	14.1	33.0	16.5
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes (rod, bar, pipe, etc.)	...do.....	8.0	4.2	2.0	1.4
335209	All other aluminum mill shapes and forms (wire, rod, etc.)	...do.....	3.7	1.7	11.0	5.6
	Primary metals:					
331051	Pig iron	1,000 short tons.	70.1	4.1	91.4	5.5
333401	Aluminum and aluminum-base alloy refinery shapes, (ingot, slugs, etc.)	...do.....	1.6	0.8	1.6	0.9
333122	Copper and copper-base alloy refinery shapes	...do.....	41.2	37.1	63.6	38.9
	Scrap (exclude home scrap):					
999811	Iron and steel	...do.....	233.1	8.6	222.0	8.2
999808	Aluminum and aluminum-base alloy	...do.....	(2)	(2)	6.3	3.6
999812	Copper and copper-base alloy	...do.....	19.0	12.3	9.5	4.8
	Castings (rough and semifinished):[5]					
332011	Iron (gray and malleable)	...do.....	165.1	60.4	113.6	39.5
332300	Steel	...do.....	56.8	60.3	40.2	37.9
336100	Aluminum and aluminum-base alloy	Million lbs.....	7.3	7.8	6.1	5.2
336200	Copper and copper-base alloy	...do.....	37.5	35.1	47.9	30.8
339100	Iron and steel forgings[6]	1,000 short tons.	55.8	38.3	26.1	14.7
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	282.1	(X)	215.7
976000	Materials, parts, containers, etc., n.s.k.[4]	.....	(X)	85.4	(X)	39.6
	INDUSTRY 3496.--COLLAPSIBLE TUBES					
	Materials, parts, and supplies, total	.....	(X)	24.8	(X)	19.3
333401	Aluminum and aluminum-base alloy refinery shapes (ingots, slugs, etc.)	1,000 short tons.	10.4	7.4	7.5	5.0
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	14.3	(X)	13.3
976000	Materials, parts, containers, etc., n.s.k.[4]	.....	(X)	3.0	(X)	1.0

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3497.--METAL FOIL AND LEAF					
	Materials, parts, and supplies, total	.....	(X)	152.6	(X)	114.8
	Aluminum and aluminum-base alloy mill shapes and forms:					
335231	Plain foil	Million lbs.	35.0	20.4	68.8	38.8
335203	Sheet and plate	...do.				
335209	All other aluminum mill shapes and forms (wire) rolled rod and bar, powder, welded tubing, extruded shapes, etc.	...do.	40.2	13.8	36.6	9.7
349702	Aluminum foil, laminated[7]	...do.			1.2	1.0
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	114.4	(X)	62.9
976000	Materials, parts, and supplies, n.s.k.[4]	.....	(X)	4.0	(X)	2.4
	INDUSTRY 3498.--FABRICATED PIPE AND FITTINGS					
	Materials, parts, and supplies, total	.....	(X)	239.1	(X)	141.7
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	9.9	2.2	14.4	3.3
331012	Sheet and strip	...do.	17.4	2.9	21.2	3.2
331013	Plates	...do.	19.3	3.6	3.5	0.7
331015	Structural shapes	...do.	(8)	(8)	0.9	0.3
331017	Wire and wire products	...do.	1.0	0.5	200.2	40.2
331019	All other carbon steel mill shapes and forms	...do.	[9]137.2	[9]29.1		
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.	5.2	3.0	1.5	0.8
331029	All other alloy steel mill shapes and forms	...do.	9.6	6.8	10.0	6.9
331031	Stainless steel	...do.	3.4	6.3	2.8	5.4
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	0.2	0.2	(NA)	(NA)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	1.5	1.1	0.8	0.5
335123	Plate, sheet, and strip, including military cups and discs	...do.				
335127	Pipe and tube	...do.	(2)	(2)	12.4	7.0
	Aluminum and aluminum-base alloys:					
335202	Sheet, plate, and foil	...do.			0.2	0.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.	7.0	4.4	4.9	3.2
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.			0.8	0.6
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	9.0	3.8	4.6	1.9
332300	Steel	...do.	(NA)	5.0	1.3	1.2
336100	Aluminum and aluminum-base alloy	Million lbs.	(2)	(2)	1.2	0.7
336200	Copper and copper-base alloy	...do.	(2)	(2)	0.7	0.4
339100	Iron and steel forgings[3]	1,000 short tons.	6.2	3.6	2.1	1.4
339200	Aluminum and aluminum-base alloy forgings	Million lbs.	0.1	0.1	(NA)	(NA)
349401	Valves and pipe fittings, except plumbers' brass goods and fittings	.....	(X)	22.9	(X)	9.9
333010	Nonferrous plating metals (chromium, nickel, zinc, etc.)	.....	(X)	0.5	(X)	0.8
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	93.6	(X)	30.9
976000	Materials, parts, and supplies, n.s.k.[4]	.....	(X)	49.5	(X)	22.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3499.--FABRICATED METAL PRODUCTS, N.E.C.					
	Materials, parts, supplies, etc., total	.....	(X)	404.6	(X)	236.0
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	95.3	16.6	41.4	6.5
331012	Sheet and strip	...do.....	576.2	88.2	303.1	47.8
331013	Plates	...do.....	52.5	7.8	23.5	3.5
331015	Structural shapes	...do.....	18.1	2.8	15.6	2.3
331017	Wire and wire products	...do.....	11.3	3.2	8.4	2.3
331019	All other carbon steel mill shapes and forms	...do.....	[10]34.6	[10]6.4	36.1	7.7
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.....	2.8	1.4	2.4	1.1
331029	All other alloy steel mill shapes and forms	...do.....	1.3	2.6	26.5	4.4
331031	Stainless steel	...do.....	5.3	7.9	2.8	3.5
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	1.9	1.4	(NA)	(NA)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	1.3	0.9	1.6	0.7
335123	Plate, sheet, and strip, including military cups and discs	...do.....	4.1	3.0	2.2	1.2
335127	Pipe and tube	...do.....	([2])	([2])	2.4	1.4
	Aluminum and aluminum-base alloys:					
335202	Sheet, plate and foil	...do.....	57.6	26.9	6.9	3.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	17.6	10.5	10.9	5.7
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	2.2	1.1	3.1	1.4
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	10.8	4.8	4.8	1.9
332300	Steel	...do.....	16.5	11.2	5.0	3.2
336100	Aluminum and aluminum-base alloy	Million lbs.....	3.2	3.0	1.5	1.3
336200	Copper and copper-base alloy	...do.....	1.8	1.3	1.8	1.1
339100	Iron and steel forgings[3]	1,000 short tons.	1.9	1.3	0.7	0.4
339200	Aluminum and aluminum-base alloy forgings[3]	Million lbs.....	1.3	1.4	(NA)	(NA)
349401	Valves and pipe fittings, except plumbers' brass goods and fittings	.....	(X)	0.7	(X)	0.2
333010	Nonferrous plating metals (chromium, nickel, zinc, etc.)	.....	(X)	3.1	(X)	2.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	143.0	(X)	81.8
976000	Materials, containers, supplies, n.s.k.[4]	.....	(X)	54.1	(X)	50.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[2]Included with material code 970099 "All other materials, components, etc."

[3]No data are available on the quantities of castings or forgings produced and consumed in the same establishment.

[4]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[5]The figures for castings produced and consumed in the same establishment are: iron castings, 229.7 thousand short tons in 1967 and 258.4 thousand short tons in 1963; steel castings, 9.9 thousand short tons in 1967 and 6.0 thousand short tons in 1963; copper and copper-base alloy castings, 119.6 million pounds in 1967, and 122.9 million pounds in 1963. Data for aluminum and aluminum-base alloy castings are not available.

[6]In 1967, the figure for iron and steel forgings produced and consumed by the same establishment was 20.5 thousand short tons. No comparable data for 1963 are available.

[7]Data on total consumption of aluminum foil are available, by end-use in Current Industrial Reports Series MA-34P, "Aluminum Foil Converted." The data in the Current Industrial Report include consumption by all establishments such as foil mills, foil converters, and others including food processing and other establishments converting foil for purposes of packaging a product. Data in this report are limited to establishments classified in the metal foil and leaf industry.

[8]Included with material code 331019 "All other carbon steel mill shapes and forms." The value for this item is less than $2.5 million.

[9]These figures are understated by $15.0 million or less because of apparent undercoverage of carbon steel pipe and tube.

[10]These figures are understated by $10 million or less because of apparent undercoverage of carbon steel pipe and tube.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Miscellaneous fabricated wire products (SIC 3481)	Valves and pipe fittings (SIC 3494)	Fabricated metal products, n.e.c. (SIC 3499)
	Cost of purchased fuels and electric energy, total....	Million dollars..	15.6	23.0	9.6
	Cost of purchased fuels, total.....	...do.....	6.2	9.9	3.7
121005	Coal (anthracite, bituminous, and lignite):				
	Quantity.....	1,000 short tons.	14.4	91.6	-
	Cost.....	Million dollars..	0.1	0.7	-
331212 331213	Coke, screenings, and breeze:				
	Quantity.....	1,000 short tons.	-	45.8	(Z)
	Cost.....	Million dollars..	-	1.6	(Z)
	Fuel oil, total:				
	Quantity.....	1,000 barrels....	221.5	384.8	13.4
	Cost.....	Million dollars..	0.7	1.3	0.1
291141	Distillate:				
	Quantity.....	1,000 barrels....	74.0	205.9	13.4
	Cost.....	Million dollars..	0.3	0.8	0.1
291151	Residual:				
	Quantity.....	1,000 barrels....	147.5	164.6	-
	Cost.....	Million dollars..	0.4	0.5	-
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):				
	Quantity.....	Million cu. ft...	2,755.2	7,478.0	413.7
	Cost.....	Million dollars..	1.9	4.0	0.3
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	Million dollars..	0.2	0.4	(Z)
	Fuels, n.s.k.....	Million dollars..	3.3	1.9	3.3
	Purchased electric energy:				
	Quantity.....	Million kw.-hrs..	451.7	997.6	404.7
	Cost.....	Million dollars..	9.4	13.1	5.9
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs..	-	3.9	8.5
	Total energy used for heat and power[1].....	Million kw-hrs. equivalent.....	2,275.7	5,973.7	1,054.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS										
	ENTIRE INDUSTRY	1 550	60.2	364.0	49.3	99.0	257.2	669.5	553.0	1 220.4	37.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 476	52.8	316.1	43.5	86.8	224.0	585.8	481.3	1 065.6	32.7
34811	NONINSULATED FERROUS WIRE ROPE, CABLE, ETC.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	37	2.4	15.7	1.8	3.3	10.2	39.2	46.2	85.4	2.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	34	2.4	15.5	1.8	3.3	10.1	38.8	45.2	84.0	2.6
34812	PRECISION MECHANICAL SPRINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	168	12.2	81.8	9.9	21.0	59.0	140.9	92.3	233.0	6.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	131	7.7	50.4	6.5	13.7	36.9	84.8	54.9	139.3	4.5
34813	OTHER WIRE SPRINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	126	13.4	76.7	11.6	23.1	57.4	130.4	113.8	243.5	9.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	111	12.1	69.3	10.5	20.9	52.4	117.7	94.4	211.5	8.9
34814	WIRE CLOTH, OTHER WOVEN FERROUS WIRE PRODUCTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	38	1.9	13.2	1.5	3.0	8.5	25.4	18.3	43.7	.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	29	1.7	11.4	1.3	2.6	7.6	22.3	15.7	37.9	.7
34815	WIRE CLOTH, OTHER NONFERROUS WOVEN WIRE PROD.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	31	2.3	17.2	1.9	4.0	12.2	35.5	23.7	59.5	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	25	1.8	13.3	1.5	3.0	9.6	28.2	18.7	47.3	3.0
34816	FENCING AND FENCE GATES (NOT WIREDRAWING)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	38	1.7	9.4	1.3	2.5	6.2	24.8	24.2	48.6	.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	1.4	7.6	1.1	2.1	4.8	21.2	21.5	42.4	.7
34819	OTHER FABRICATED WIRE PRODUCTS (NOT WIREDRAWING)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	321	17.6	103.7	14.0	28.2	69.7	194.4	156.1	350.1	9.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	279	15.2	89.5	12.1	24.2	60.1	170.4	136.3	307.3	7.3
3491	METAL BARRELS, DRUMS, AND PAILS										
	ENTIRE INDUSTRY	149	11.6	83.5	9.1	19.4	59.9	150.6	221.5	370.7	15.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	135	9.2	66.6	7.4	15.8	48.9	122.1	185.7	308.1	7.9
34911	STEEL PAILS (12-GALLON CAPACITY AND UNDER)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	26	2.6	18.7	2.1	4.6	13.3	32.4	44.7	77.1	1.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	20	1.6	10.4	1.3	2.7	7.4	20.4	22.8	43.3	1.1
34912	STEEL SHIPPING BARRELS, DRUMS, OVER 12 GAL. CAP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	74	7.1	52.1	5.7	11.9	38.2	93.1	149.9	242.9	5.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	54	4.3	30.8	3.4	7.3	23.0	58.9	98.4	157.4	4.2
34913	ALL OTHER METAL BARRELS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	17	1.6	10.9	1.2	2.4	7.1	22.1	22.9	43.8	1.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	.2	1.2	.2	.4	1.0	2.3	4.9	7.3	.2
3492	SAFES AND VAULTS										
	ENTIRE INDUSTRY	32	3.8	26.6	2.6	4.9	16.4	67.1	33.5	98.7	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	30	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3493	STEEL SPRINGS										
	ENTIRE INDUSTRY	114	7.7	53.9	6.2	12.6	39.8	92.0	100.4	192.4	6.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	97	5.9	40.4	4.8	9.7	29.8	69.8	80.2	149.9	5.5
3494	VALVES AND PIPE FITTINGS										
	ENTIRE INDUSTRY	666	95.3	683.5	67.8	139.0	429.8	1 377.3	936.8	2 274.5	100.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	591	73.1	519.7	52.6	108.0	331.6	1 042.5	709.7	1 717.5	83.7
34941	AUTOMATIC REGULATING AND CONTROL VALVES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	68	13.2	92.7	8.4	17.3	50.9	188.4	136.2	321.8	14.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	47	8.0	55.3	5.2	10.9	32.1	111.2	72.5	180.8	9.8
34942	VALVES FOR POWER TRANSFER (PNEUMATIC, HYDRAULIC)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	63	10.4	84.1	6.7	14.0	45.7	164.6	81.2	245.7	11.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	44	5.7	50.4	3.8	8.0	27.0	89.0	44.5	129.7	6.6
34943	OTH. METAL VALVES, PIPING SYST., EXC. PLUMB, HEAT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	158	38.2	268.3	27.0	56.0	170.9	539.5	327.8	840.1	31.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	117	30.3	212.5	21.5	44.6	136.9	430.7	265.8	672.3	23.9
34944	PLUMB., HEAT, VALVES, ETC., EXC. BRASS GOODS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	32	4.5	30.1	3.4	6.7	20.1	63.7	49.3	110.7	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	15	1.4	8.4	1.1	2.1	5.4	19.0	15.2	34.3	.4
34945	METAL FITTINGS, FLANGES, UNIONS FOR PIPING SYSTEM										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	91	22.4	160.9	17.6	35.2	113.9	328.5	260.5	581.5	37.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	65	12.7	86.3	10.0	19.8	61.8	164.0	156.0	321.5	28.1
34946	FITTINGS, ASSEMBLIES FOR TUBING, EXC. BRASS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	12	2.2	18.2	1.4	3.0	9.5	29.4	35.2	65.3	1.0

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967—Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3496	COLLAPSIBLE TUBES										
	ENTIRE INDUSTRY	19	4.3	23.6	3.9	7.6	18.7	38.5	26.8	65.0	4.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3497	METAL FOIL AND LEAF										
	ENTIRE INDUSTRY	72	6.6	48.7	4.8	10.3	31.1	104.9	160.0	265.5	10.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	58	3.8	27.0	2.8	5.9	17.7	63.8	114.3	178.4	4.4
3498	FABRICATED PIPE AND FITTINGS										
	ENTIRE INDUSTRY	393	18.2	129.1	13.4	27.4	86.6	238.5	274.4	508.1	14.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	364	16.6	118.2	12.2	24.9	79.2	219.7	258.5	473.0	12.0
3499	FABRICATED METAL PRODUCTS, NEC										
	ENTIRE INDUSTRY	1 266	41.3	260.1	32.8	66.0	176.1	522.2	462.0	981.7	31.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 178	34.1	213.4	27.3	55.1	145.0	435.5	390.6	821.9	26.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Witheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations")

Machinery, Except Electrical

35A Engines and turbines and farm machinery and equipment

35B Construction, mining, and materials handling machinery and equipment

35C Metalworking machinery and equipment

35D Special industry machinery, except metalworking machinery

35E General industrial machinery and equipment

35F Office, computing, and accounting machines

35G Service industry machines and machine shops

This major group includes establishments primarily engaged in producing a wide variety of machinery and equipment items. The industries included in this major group encompass the whole range of industrial machinery, other than electrical. To a considerable extent, the products fall into the producers' heavy equipment category, are frequently of a complex character, and are produced both to individual order and as standard items. Industries in groups 351 to 358 are defined in terms of end products, and the parts, attachments, and accessories for these items are included in the industry of this end product unless specifically classified elsewhere in the Standard Industrial Classification. The volume of shipments of machinery parts and accessories in some industries constitutes a significant portion of total shipments. These parts producers are generally smaller establishments but there are a large number of them. Group 359, Machine Shops, includes plants producing a broad variety of miscellaneous parts made by job machine shops.

Group 352 includes farm machines and wheel-tractors, while group 353 comprises all types of earth-moving equipment, including tracklaying tractors and contractors' off-highway type tractors, mining machinery, and materials-handling equipment. The end products of plants in groups 351 to 356 are usually capital equipment, bought and used, not only by manufacturing companies but also at mines, farms, and in transportation, construction and commerce. Groups 357 and 358 include products for commercial and service use such as measuring and dispensing pumps, office and store machines, and commercial refrigeration equipment.

Plants primarily engaged in rebuilding machinery or equipment on a factory basis were formerly included in this major group. However, such rebuilding activities are now classified according to the original industry classification of the product being rebuilt. Plants primarily rebuilding automotive parts are included in Major Group 37. Plants primarily rebuilding machine tools, metalworking machinery, and office and store machines are included in the industry of the plants producing the original equipment. Table 6A for each industry will show the industries in which rebuilding activities are included with the volume of such rebuilding.

The individual establishments within Major Group 35 frequently produce products falling into two or more SIC 4-digit industries. In fact, many of the larger establishments produce a significant amount of products secondary to the industry in which they are classified. These

secondary products however, tend to be similar to the primary products of the establishment in the material used in their manufacture, type of labor employed to produce them, and nature of the processes involved in the production line.

Establishments in this group of industries typically maintain machine shops, tool and die rooms, and heat-treating facilities. Frequently the establishment, particularly if it is of some size, will also operate a pattern shop, screw-machine department, and stamping facility. With greater variation depending upon the particular 4-digit industry, the physical plant may contain a foundry, forge shop, plate fabrication, electroplating, galvanizing, or other metal processing department. Data on the number of establishments engaged in a selected number of the more important of these operations and the number of employees working in the operations are shown in table 9 for each of the 4-digit industries in this major group. The metalworking operations shown in that table do not represent, of course, a complete list or, for many metal fabricating industries, even those which are most important. There are a number of significant activities such as assembly, subassembly, finishing, etc., which were covered only for selected industries.

Although the production processes in this area adhere to a general pattern of specified metalworking and metal fabricating operations, there is a substantial variation in the number and types of processes performed by an individual establishment as well as from industry to industry. Within a single 4-digit industry, certain establishments may be exclusively engaged in assembling component parts produced by other plants. Another group of plants may purchase rough castings or mill shapes and carry out the entire fabricating of the metal until it emerges as a finished product. In other instances, the casting of the metal will be performed by the establishment itself.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees [1]		Production workers			Value added by manufacture [2]	Cost of materials [3]	Value of shipments [3]	Capital expenditures, new [4]
	Total (number)	With 20 employees or more (number)	Total (1 000)	Payroll (million dollars)	Total (1 000)	Man-hours (million dollars)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	38 278	10 847	1 929.4	14 930.2	1 349.0	2 785.0	9 236.1	27 836.4	21 231.6	48 477.2	1 868.1
1963	34 197	8 642	1 520.6	10 146.6	1 045.1	2 151.1	6 209.3	17 310.6	13 254.2	30 363.1	783.1
1958	30 254	7 513	1 385.8	7 577.6	956.2	1 855.7	4 654.1	12 414.1	(NA)	27 797.7	669.6
1954	(NA)	(NA)	1 573.9	7 390.0	1 170.6	2 368.3	4 977.2	12 333.4	(NA)	(NA)	713.6
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	386	218	64.9	703.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1963 [5]	494	216	61.2	575.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1958 [5]	386	150	35.5	263.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1954 [5]	(NA)	(NA)	33.1	203.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	37 892	10 629	1 864.5	14 226.3	1 349.0	2 785.0	9 236.1	27 836.4	21 231.6	48 477.2	1 868.1
1963	33 703	8 426	1 459.4	9 571.0	1 045.1	2 151.1	6 209.3	17 310.6	13 254.2	30 363.1	783.1
1958	29 868	7 363	1 350.3	7 314.3	956.2	1 855.7	4 654.1	12 414.1	(NA)	22 797.7	669.6
1954	25 600	7 521	1 540.7	7 186.2	1 170.6	2 368.3	4 977.2	12 333.4	(NA)	(NA)	713.6
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966 [6]	(NA)	(NA)	1 803.7	13 469.8	1 309.9	2 795.8	8 843.0	27 034.9	20 769.7	46 621.9	1 658.3
1955 [6]	(NA)	(NA)	1 652.8	11 741.8	1 195.9	2 515.1	7 659.6	22 762.0	17 306.4	39 241.1	1 228.4
1964 [6]	(NA)	(NA)	1 538.6	10 606.9	1 108.7	2 327.3	6 982.3	20 302.4	15 304.5	35 060.1	939.4
1962 [6]	(NA)	(NA)	1 451.3	9 201.8	1 035.3	2 100.6	5 825.3	16 106.0	12 440.3	28 294.3	717.9
1961 [6]	(NA)	(NA)	1 382.4	8 405.1	984.2	1 960.6	5 247.5	14 240.1	11 327.0	25 688.7	658.0
1960 [6]	(NA)	(NA)	1 426.4	8 481.8	1 014.0	2 045.3	5 397.6	14 410.3	(NA)	(NA)	700.6
1959 [6]	(NA)	(NA)	1 414.2	8 202.6	1 022.4	2 061.8	5 309.6	14 582.3	(NA)	(NA)	606.9
1957 [6]	(NA)	(NA)	1 706.5	9 045.6	1 265.1	2 571.2	6 058.1	15 971.9	(NA)	(NA)	991.2
1956 [6]	(NA)	(NA)	1 716.8	8 897.2	1 308.2	2 716.8	6 155.8	16 176.1	(NA)	(NA)	887.6
1955 [6]	(NA)	(NA)	1 064.0	7 811.9	1 222.4	2 512.5	5 437.9	13 752.9	(NA)	(NA)	653.1
1953 [6]	(NA)	(NA)	1 691.2	7 875.8	1 307.3	2 743.7	5 685.7	13 380.7	(NA)	(NA)	754.7
1952 [6]	(NA)	(NA)	1 650.8	7 379.9	1 283.7	2 732.9	5 352.0	12 807.5	(NA)	(NA)	(NA)
1951 [6]	18 734	(NA)	1 604.0	6 729.2	1 260.2	2 693.2	4 914.1	11 218.7	(NA)	(NA)	631.4
1950 [6]	17 909	(NA)	1 367.9	5 063.1	1 064.3	2 182.8	3 609.1	8 764.7	(NA)	(NA)	337.2
1949 [6]	(NA)	(NA)	1 295.1	4 559.1	1 004.9	2 012.9	3 175.4	7 688.7	(NA)	(NA)	350.6
1947	17 910	(NA)	1 552.1	4 830.1	1 248.9	2 591.2	3 610.4	7 834.0	(NA)	(NA)	517.6
1939 [7]	8 860	(NA)	(NA)	(NA)	536.1	(NA)	769.6	2 037.0	(NA)	(NA)	(NA)
1937 [8]	7 327	(NA)	(NA)	(NA)	653.5	(NA)	969.7	2 365.8	(NA)	(NA)	(NA)

Standard Notes: Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1] The figures for 1939 through 1967 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for 1937 is not known.

[2] For 1954 to 1958 represents adjusted value added. For 1953 and earlier years represents unadjusted value added. See text for more detailed explanation.

[3] The total value of shipments and cost of materials for industry groups (2- and 3-digit) include extensive duplication arising from shipments between establishments in the same industry classification. For a more complete explanation, see Introduction.

[4] The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5] Data for number of employees at manufacturers' central administrative offices and auxiliary units are shown in this table for 1954, 1958, 1963, and 1967, and for 1949 to 1953 in annual survey of manufactures volumes. Data for such employees are not available for 1955 to 1957, 1959 to 1962, and 1964 to 1966, and for the years prior to 1949.

[6] These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[7] The figures for 1939 to 1967 are not entirely comparable with those for 1937 because the 1937 figures (a) include data for establishments primarily engaged in the manufacture of thermostats and gauges, heat treating of steel, machine knives, and tackle blocks, and (b) exclude data for establishments primarily engaged in the manufacture of vacuum cleaners, turbo-generators and water-wheel generator sets, hair clippers for animal use, brooders, nonferrous bearings, certain industrial furnaces and ovens, time-stamps and time-recording machines, dictating machines, certain valves and fittings (except plumbers') and caulking guns. Value added by manufacture for 1939 on a basis strictly comparable with 1937 was $1,989.6 million.

[8] The figures prior to 1937 are not sufficiently comparable to those for later years to be shown in this table principally because they include data for establishments primarily engaged in the manufacture of aircraft engines and in machine shop repairs.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
35	MACHINERY, EXCEPT ELECTRICAL	37 892	10 627	1 864.5	14 226.3	1 349.0	2 785.0	9 236.1	27 836.4	21 231.6	48 477.2	1 868.1	1 459.4	17 310.6
	NORTHEAST REGION	10 462	2 902	537.8	4 081.9	381.5	796.9	2 590.1	7 872.2	5 422.2	13 127.7	489.9	452.5	5 088.2
	NEW ENGLAND DIVISION	3 352	950	178.3	1 344.4	127.6	271.0	865.3	2 593.9	1 275.5	3 828.8	150.9	151.6	1 646.6
	MAINE	88	17	2.0	11.2	1.5	3.1	7.7	17.8	12.1	29.6	1.4	1.8	12.9
	NEW HAMPSHIRE	131	47	10.9	69.5	7.8	16.6	44.6	126.2	57.5	177.5	12.4	8.0	78.3
	VERMONT	70	26	7.6	52.6	5.1	10.8	33.9	101.8	50.7	150.8	5.3	6.4	68.1
	MASSACHUSETTS	1 471	455	78.3	582.6	53.1	110.6	355.9	1 235.4	601.3	1 817.1	54.1	67.7	714.6
	RHODE ISLAND	270	57	10.9	82.1	7.6	15.8	50.6	138.6	76.8	212.9	7.2	9.1	88.6
	CONNECTICUT	1 322	348	68.8	546.3	52.4	114.1	372.6	974.2	477.1	1 441.0	70.5	58.6	684.1
	MIDDLE ATLANTIC DIVISION	7 110	1 952	359.4	2 737.5	254.0	525.9	1 724.8	5 278.2	4 146.7	9 298.8	338.9	300.9	3 441.6
	NEW YORK	2 948	734	150.4	1 155.2	106.0	218.9	724.0	2 286.0	1 928.0	4 149.9	132.5	131.6	1 494.2
	NEW JERSEY	1 985	500	70.7	541.9	50.4	105.2	345.0	1 045.7	782.8	1 800.6	63.2	56.7	689.7
	PENNSYLVANIA	2 177	718	138.3	1 040.4	97.5	201.9	655.8	1 946.5	1 435.9	3 348.3	143.2	112.6	1 257.7
	NORTH CENTRAL REGION	14 796	4 805	934.5	7 357.8	688.4	1 415.5	4 939.2	14 375.0	11 385.8	25 441.0	976.6	730.6	9 090.1
	EAST NORTH CENTRAL DIVISION	12 203	3 984	781.5	6 260.7	579.4	1 196.6	4 253.1	11 994.4	9 436.5	21 204.1	810.5	617.9	7 694.9
	OHIO	3 065	1 022	214.6	1 707.8	158.0	329.1	1 154.0	3 247.6	2 347.5	5 529.7	(D)	165.2	1 991.4
	INDIANA	1 156	367	71.0	528.0	52.7	107.4	356.8	1 005.8	730.9	1 717.3	68.6	54.5	678.3
	ILLINOIS	3 101	979	223.8	1 751.5	163.7	329.4	1 164.8	3 415.3	2 863.3	6 230.5	(D)	178.6	2 216.0
	MICHIGAN	3 649	1 178	165.7	1 461.3	126.8	270.0	1 024.6	2 750.4	2 086.8	4 763.0	170.9	134.5	1 804.6
	WISCONSIN	1 232	438	106.3	812.1	78.2	160.7	552.9	1 575.3	1 408.0	2 963.6	117.3	85.1	1 004.6
	WEST NORTH CENTRAL DIVISION	2 593	821	153.1	1 097.1	109.0	218.9	686.1	2 380.6	1 949.3	4 236.9	166.1	112.7	1 395.2
	MINNESOTA	736	269	53.0	399.9	33.9	70.7	215.5	912.1	698.6	1 565.1	43.1	37.5	482.5
	IOWA	479	173	46.4	341.8	34.7	66.7	232.9	753.1	672.4	1 401.3	69.6	35.5	476.9
	MISSOURI	724	195	31.2	217.9	23.3	46.1	145.0	413.1	320.0	721.2	34.8	26.4	275.6
	NORTH DAKOTA	48	8	1.1	5.3	.8	1.8	3.8	11.8	11.0	21.7	1.1	.6	4.5
	SOUTH DAKOTA	42	11	1.2	6.7	.9	1.9	4.5	14.3	9.5	23.1	.5	.8	8.7
	NEBRASKA	176	44	5.9	36.2	4.8	10.0	27.2	102.1	88.9	189.1	7.0	3.4	50.0
	KANSAS	388	121	14.2	89.4	10.6	21.7	57.2	174.0	148.9	315.5	10.0	8.5	97.0
	SOUTH REGION	5 882	1 558	224.9	1 456.9	166.0	341.4	933.9	3 098.0	2 555.6	5 578.1	206.6	154.6	1 760.2
	SOUTH ATLANTIC DIVISION	2 413	673	90.0	562.6	67.2	137.1	358.4	1 144.8	988.5	2 113.3	84.1	59.1	623.3
	DELAWARE	46	12	1.4	11.2	.9	1.7	5.8	13.3	10.4	23.7	.7	1.3	11.7
	MARYLAND	262	76	15.9	112.1	11.5	23.7	71.2	202.3	153.6	353.6	12.8	11.5	142.1
	DISTRICT OF COLUMBIA	13	5	.2	1.5	.2	.4	1.1	2.7	2.2	4.9	(Z)	.2	2.2
	VIRGINIA	226	74	8.8	50.7	6.6	13.1	33.7	110.9	86.6	192.7	8.2	5.8	58.9
	WEST VIRGINIA	146	34	4.0	26.0	3.1	6.2	18.2	57.3	40.8	95.7	2.9	3.9	37.0
	NORTH CAROLINA	517	168	21.8	135.6	15.5	32.1	77.3	270.9	282.0	552.4	27.0	12.1	117.2
	SOUTH CAROLINA	214	75	13.8	73.2	10.8	22.3	50.5	140.8	113.3	253.0	9.6	8.6	74.1
	GEORGIA	386	108	11.5	69.1	9.0	18.4	46.4	135.4	124.0	259.1	7.2	8.9	86.1
	FLORIDA	603	121	12.5	83.4	9.6	19.3	54.1	211.1	175.5	378.3	15.6	6.8	94.0
	EAST SOUTH CENTRAL DIVISION	964	272	54.5	358.7	41.0	84.1	242.6	874.5	670.7	1 511.3	59.0	35.6	435.9
	KENTUCKY	244	81	22.5	168.3	16.6	33.3	112.5	467.5	308.1	760.8	24.8	16.2	231.4
	TENNESSEE	333	97	16.0	97.5	12.1	24.6	66.5	198.4	159.4	351.3	23.3	10.0	108.5
	ALABAMA	271	60	8.6	49.2	6.6	13.6	33.4	100.4	102.0	194.2	7.0	5.2	51.7
	MISSISSIPPI	116	34	7.5	43.7	5.7	12.7	30.2	108.2	101.3	205.0	3.8	4.2	44.4
	WEST SOUTH CENTRAL DIVISION	2 505	613	80.4	535.6	57.8	120.2	333.0	1 078.8	896.4	1 953.5	63.6	59.9	700.9
	ARKANSAS	172	46	5.2	28.8	4.1	8.4	18.8	60.0	57.6	115.4	3.0	3.1	32.8
	LOUISIANA	224	53	5.1	34.0	4.0	8.4	23.8	61.8	44.5	105.6	4.1	3.9	37.5
	OKLAHOMA	383	104	15.0	99.5	10.7	22.2	60.2	184.3	176.7	369.9	10.8	11.0	120.2
	TEXAS	1 726	410	55.1	373.2	38.9	81.3	230.1	772.8	617.6	1 362.6	45.8	41.9	510.4
	WEST REGION	6 752	1 362	167.1	1 329.6	113.3	231.4	773.0	2 490.6	1 867.8	4 330.3	195.0	121.9	1 398.4
	MOUNTAIN DIVISION	808	154	26.6	205.2	15.7	32.3	96.2	458.4	348.7	820.7	25.2	15.6	165.0
	MONTANA[e]	40	2	.2	1.2	.2	.3	.9	2.0	2.2	4.3	.1	.1	.9
	IDAHO	71	17	.9	5.6	.8	1.6	4.1	10.1	11.2	20.8	.4	.6	5.1
	COLORADO	266	58	11.2	87.9	6.9	14.3	43.7	254.1	210.1	469.2	12.5	5.2	65.7
	NEW MEXICO	88	7	.6	3.7	.5	.9	2.8	7.0	3.7	10.7	.4	.6	6.3
	ARIZONA	200	42	9.0	74.1	4.2	8.6	25.7	128.7	75.9	219.7	7.6	5.8	51.3
	UTAH	97	25	4.4	30.8	2.9	6.2	17.6	53.3	43.4	90.6	3.8	3.2	33.7
	NEVADA[e]	20	2	.2	1.0	.1	.2	.6	1.6	1.2	2.8	.1	.1	1.2
	PACIFIC DIVISION	5 944	1 208	140.5	1 124.5	97.6	199.1	676.8	2 032.1	1 519.1	3 509.7	169.9	106.3	1 233.4
	WASHINGTON	415	80	9.0	71.4	7.0	14.0	51.2	123.9	102.0	227.9	7.7	7.0	73.6
	OREGON	360	69	7.8	59.2	5.5	10.5	36.0	114.4	77.5	188.4	7.1	5.6	69.7
	CALIFORNIA	5 132	1 052	123.1	990.2	84.7	173.8	586.8	1 787.0	1 335.8	3 083.2	154.7	93.3	1 086.4
	HAWAII	27	7	.5	2.9	.4	.8	2.3	5.5	3.2	8.0	.3	.4	3.3
351	ENGINES AND TURBINES	182	119	99.9	819.6	72.1	147.1	540.2	1 598.1	1 566.9	3 136.4	163.9	86.6	1 113.5
	NORTHEAST REGION	44	27	37.9	326.4	26.2	53.1	204.5	624.1	483.5	1 092.2	59.8	33.7	427.3
	NEW ENGLAND DIVISION	13	11	10.2	84.2	6.8	13.7	52.2	157.3	70.4	219.9	8.2	9.9	119.5
	MASSACHUSETTS	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	31	16	27.7	242.2	19.4	39.5	152.3	466.8	413.1	872.3	51.6	23.8	307.8
	NEW YORK	13	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW JERSEY	7	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	1.0
	PENNSYLVANIA	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
351	ENGINES AND TURBINES--CONTINUED													
	NORTH CENTRAL REGION	80	62	53.9	429.8	40.5	82.7	297.2	879.9	1 003.7	1 876.6	87.3	49.3	638.0
	EAST NORTH CENTRAL DIVISION	65	50	52.1	417.8	39.1	80.0	288.6	852.3	979.4	1 824.6	85.9	46.8	618.1
	OHIO	7	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	INDIANA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	9	7	10.6	88.9	7.5	14.5	56.1	143.8	202.0	342.0	17.7	8.6	97.3
	MICHIGAN	21	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	12.7	183.0
	WISCONSIN	25	22	20.1	146.4	16.4	33.6	113.6	273.4	335.5	596.0	30.3	17.2	200.7
	WEST NORTH CENTRAL DIVISION	15	12	1.9	12.0	1.4	2.6	8.6	27.6	24.3	52.0	1.3	2.5	20.0
	MINNESOTA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	7	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	25	11	1.1	6.7	.8	1.9	4.8	11.9	13.2	24.7	9.8	.6	11.9
	SOUTH ATLANTIC DIVISION	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	11	6	.4	2.5	.3	.7	1.9	4.8	3.7	8.3	.2	(D)	(D)
	OKLAHOMA	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	33	19	6.9	56.8	4.6	9.5	33.7	82.2	66.6	143.0	7.2	3.0	36.3
	MOUNTAIN DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	31	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	28	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
352	FARM MACHINERY	1 618	661	136.3	946.7	104.0	203.2	662.3	2 041.5	2 323.2	4 299.9	128.5	112.6	1 338.4
	NORTHEAST REGION	104	33	5.6	42.4	3.4	7.7	23.5	96.4	73.0	166.2	4.3	5.3	72.3
	NEW ENGLAND DIVISION	24	3	.3	1.6	.2	.4	1.2	3.4	3.1	6.4	.1	.2	2.0
	MIDDLE ATLANTIC DIVISION	80	30	5.3	40.8	3.2	7.3	22.3	92.9	70.0	159.8	4.2	5.1	70.2
	NEW YORK	34	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW JERSEY	12	5	.3	1.8	.2	.5	1.2	4.2	3.6	7.4	.1	.2	1.8
	PENNSYLVANIA	34	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CENTRAL REGION	856	422	105.8	753.5	81.3	158.1	536.6	1 650.5	1 925.0	3 525.7	107.0	86.2	1 050.4
	EAST NORTH CENTRAL DIVISION	407	220	64.4	470.7	49.0	96.0	335.2	1 034.1	1 283.2	2 289.5	68.2	52.9	645.9
	OHIO	66	37	6.6	44.6	5.3	10.6	34.2	82.8	119.4	193.3	(D)	6.4	64.3
	INDIANA	71	37	6.8	44.5	5.1	10.3	30.6	92.9	103.8	191.1	5.9	5.2	49.0
	ILLINOIS	130	80	31.4	236.6	24.5	46.0	172.0	510.9	557.9	1 058.5	(D)	23.6	287.7
	MICHIGAN	51	20	5.0	36.9	3.6	6.7	23.9	83.2	211.8	295.6	7.2	5.2	104.1
	WISCONSIN	89	46	14.5	108.1	10.5	22.4	74.5	264.3	290.3	551.0	20.0	12.5	140.8
	WEST NORTH CENTRAL DIVISION	449	202	41.4	282.8	32.3	62.2	201.4	616.3	641.8	1 236.2	38.8	33.3	404.5
	MINNESOTA	81	46	6.0	39.6	4.7	9.4	27.4	88.7	95.2	181.8	5.5	5.5	61.8
	IOWA	139	66	24.2	179.4	18.8	35.2	129.6	387.0	372.4	744.1	25.1	21.6	286.5
	MISSOURI	47	17	3.4	20.8	2.7	5.3	15.2	51.6	60.7	112.7	2.1	2.1	15.2
	NORTH DAKOTA	16	4	.4	1.7	.3	.7	1.4	3.0	3.4	6.2	.2	.4	2.6
	SOUTH DAKOTA	11	4	.3	1.5	.2	.4	.9	4.0	2.8	6.7	.1	.2	2.2
	NEBRASKA	63	26	3.2	18.8	2.6	5.6	14.3	40.5	61.4	100.1	3.4	1.6	17.3
	KANSAS	92	39	3.9	21.1	2.9	5.5	12.4	41.4	45.9	84.6	2.5	2.0	18.9
	SOUTH REGION	339	129	19.2	114.8	15.0	28.8	78.3	222.7	253.3	465.7	13.9	16.3	153.5
	SOUTH ATLANTIC DIVISION	128	49	5.6	28.4	4.5	8.4	18.1	57.8	69.1	125.9	5.2	4.5	38.3
	VIRGINIA	9	8	.6	2.7	.5	.9	2.0	5.3	4.8	10.2	.8	.5	5.4
	WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	26	11	1.9	8.9	1.5	2.6	5.1	11.9	20.8	34.2	1.3	1.3	8.7
	GEORGIA	40	13	2.0	10.2	1.7	3.2	7.1	23.8	27.8	49.6	2.7	1.7	14.1
	FLORIDA	41	10	.6	3.4	.4	.9	2.0	7.4	7.9	14.9	.2	.4	4.2
	EAST SOUTH CENTRAL DIVISION	72	31	10.1	68.6	7.9	15.1	49.3	134.0	146.1	271.7	6.7	9.2	92.3
	KENTUCKY	9	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	22	8	2.9	22.0	2.2	3.9	14.7	34.0	27.9	59.4	(D)	2.7	36.2
	ALABAMA	20	7	1.2	6.0	1.0	2.1	4.0	17.4	17.8	32.5	.5	.9	9.0
	MISSISSIPPI	21	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	139	49	3.5	17.8	2.7	5.3	11.0	30.9	38.1	68.2	2.0	2.6	22.9
	ARKANSAS	22	10	.5	2.3	.4	.7	1.5	4.0	4.4	8.4	.1	.3	2.6
	LOUISIANA	14	6	.8	4.6	.6	1.1	2.4	5.2	11.6	16.9	.7	.5	4.0
	OKLAHOMA	19	6	.5	2.3	.4	.8	1.7	5.8	4.4	9.6	.5	.4	3.4
	TEXAS	84	27	1.7	8.7	1.3	2.6	5.4	15.9	17.6	33.3	.6	1.4	12.9
	WEST REGION	319	77	5.7	36.0	4.3	8.4	24.0	72.0	71.9	142.3	3.4	4.9	52.3
	MOUNTAIN DIVISION	85	24	1.5	9.2	1.2	2.4	6.1	18.5	19.1	36.9	1.0	1.1	10.3
	IDAHO	28	9	.5	3.1	.4	1.0	2.2	5.5	7.2	12.4	.2	.3	2.4
	COLORADO	28	9	.7	4.4	.5	1.0	2.7	8.6	8.2	16.6	.5	.4	4.8
	UTAH	5	3	.2	.9	.1	.2	.5	1.9	1.5	3.3	(D)	.1	1.0

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
352	FARM MACHINERY--CONTINUED													
	PACIFIC DIVISION	234	53	4.2	26.8	3.1	6.0	17.9	53.5	52.7	105.4	2.4	3.8	41.9
	WASHINGTON	35	7	.5	3.0	.4	.7	2.2	5.7	6.7	12.0	.4	.3	3.4
	OREGON	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	177	38	3.2	21.0	2.3	4.5	13.5	41.8	41.8	83.5	1.7	3.1	35.0
353	CONSTRUCTION AND RELATED MACHINERY													
	UNITED STATES	2 305	1 147	272.6	2 041.3	190.2	383.4	1 291.6	4 129.9	3 788.0	7 865.0	279.6	211.0	2 732.3
	NORTHEAST REGION	396	189	38.7	292.3	24.7	49.8	167.2	568.7	497.0	1 058.7	34.1	31.1	429.5
	NEW ENGLAND DIVISION	74	30	4.0	28.5	2.6	5.1	16.3	42.1	34.4	78.3	3.6	3.5	37.3
	NEW HAMPSHIRE	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	43	19	2.1	14.6	1.4	2.8	8.9	21.6	18.7	42.4	.5	(D)	(D)
	CONNECTICUT	18	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.3
	MIDDLE ATLANTIC DIVISION	322	159	34.7	263.8	22.1	44.7	150.9	526.6	462.6	980.4	30.4	27.6	392.2
	NEW YORK	111	48	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.5	83.7
	NEW JERSEY	71	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.3	135.6
	PENNSYLVANIA	140	83	19.2	144.7	12.1	24.5	81.6	301.9	271.4	572.7	20.1	13.8	172.9
	NORTH CENTRAL REGION	866	509	165.5	1 257.5	118.9	236.2	829.7	2 556.1	2 482.5	5 014.2	198.9	123.2	1 580.1
	EAST NORTH CENTRAL DIVISION	653	398	140.8	1 077.4	101.9	202.5	721.1	2 160.2	2 114.6	4 270.5	155.7	108.1	1 394.8
	OHIO	202	138	30.6	233.5	21.1	43.8	149.4	430.7	428.7	857.6	21.6	23.4	277.3
	INDIANA	57	31	6.1	42.3	4.4	8.8	27.9	87.2	73.8	154.2	6.6	4.5	55.3
	ILLINOIS	163	89	63.1	487.4	46.8	90.0	335.2	1 022.9	961.0	1 994.9	99.6	52.6	687.3
	MICHIGAN	146	80	20.7	160.8	15.1	30.1	105.7	325.8	366.9	679.7	15.5	12.0	169.8
	WISCONSIN	85	60	20.3	153.4	14.6	29.8	103.0	293.7	284.1	584.2	12.3	15.6	205.1
	WEST NORTH CENTRAL DIVISION	213	111	24.7	180.1	17.0	33.7	108.6	395.8	367.9	743.7	43.2	15.1	185.3
	MINNESOTA	60	33	6.7	48.6	4.5	9.2	29.0	97.0	89.3	175.6	3.8	5.4	58.6
	IOWA	50	30	12.3	90.8	8.7	16.5	57.6	226.9	201.3	420.4	37.0	5.7	84.4
	MISSOURI	41	18	2.3	18.3	1.3	2.8	8.6	29.4	31.1	59.5	.8	2.1	23.0
	NORTH DAKOTA	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH DAKOTA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	39	20	2.4	16.5	1.7	3.4	9.4	28.5	33.2	61.5	.6	1.6	14.9
	SOUTH REGION	619	292	47.9	330.4	32.7	69.4	199.0	673.5	548.1	1 212.4	31.1	37.8	474.0
	SOUTH ATLANTIC DIVISION	153	60	6.9	45.2	4.8	9.5	26.1	97.5	98.0	195.1	3.5	4.6	59.1
	MARYLAND	15	6	1.1	8.3	.5	1.0	2.6	11.7	10.4	22.1	.2	.6	10.0
	VIRGINIA	27	11	.9	5.6	.7	1.4	3.4	16.5	19.8	35.5	.8	.5	6.8
	WEST VIRGINIA	31	12	1.8	11.8	1.3	2.7	7.5	27.3	23.0	49.8	1.2	(D)	(D)
	NORTH CAROLINA	18	10	.6	3.6	.4	.9	2.1	6.1	6.7	13.1	.2	(D)	(D)
	SOUTH CAROLINA	8	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	19	8	1.4	9.4	1.1	2.1	6.4	21.7	26.3	49.3	.6	1.3	19.1
	FLORIDA[6]	33	8	.5	3.8	.4	.7	2.2	6.9	4.3	11.2	.1	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	73	42	7.3	46.7	5.3	11.4	29.7	92.4	90.0	177.5	3.7	4.6	52.7
	KENTUCKY	24	12	1.6	11.1	1.2	2.5	7.5	20.0	18.1	37.2	.5	1.3	14.0
	TENNESSEE	16	11	1.7	11.0	1.4	2.8	7.2	26.0	21.2	45.9	1.4	1.4	15.1
	ALABAMA	25	13	1.8	10.2	1.3	2.8	6.7	20.3	22.7	42.7	.8	.8	9.1
	MISSISSIPPI	8	6	2.2	14.3	1.4	3.3	8.3	26.2	28.1	51.7	1.0	1.2	14.5
	WEST SOUTH CENTRAL DIVISION	393	190	33.6	238.6	22.7	48.5	143.1	483.6	360.1	839.9	24.0	28.5	362.2
	ARKANSAS	11	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	27	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA	78	33	6.4	42.6	4.5	9.6	27.1	80.2	89.0	175.0	4.8	5.8	67.7
	TEXAS	277	142	24.9	181.0	16.4	35.2	105.9	375.1	253.8	619.4	16.9	21.2	277.5
	WEST REGION	424	157	20.7	161.0	13.9	27.9	95.8	331.5	260.4	579.7	15.6	18.7	251.9
	MOUNTAIN DIVISION	66	24	4.1	28.9	3.0	6.0	19.2	60.8	47.7	104.4	2.7	3.6	43.9
	IDAHO	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	28	15	2.4	17.0	1.8	3.6	12.2	40.1	29.3	69.6	2.1	2.1	32.6
	UTAH	14	5	1.5	9.8	.9	2.0	5.6	16.7	14.4	26.8	.6	1.3	9.4
	PACIFIC DIVISION	358	133	16.6	132.1	11.0	21.8	76.6	270.7	212.7	475.3	12.8	15.1	208.0
	WASHINGTON	29	9	1.8	14.9	1.5	3.0	11.1	24.5	21.0	45.7	.7	2.3	25.2
	OREGON	47	14	3.1	24.9	1.9	3.7	12.7	49.9	38.1	84.5	3.5	(D)	(D)
	CALIFORNIA	282	110	11.7	92.3	7.6	15.2	52.8	196.4	153.6	345.1	8.5	11.0	161.5
354	METALWORKING MACHINERY	9 439	2 652	337.0	2 859.5	256.2	557.9	1 984.5	5 091.4	2 534.7	7 511.5	319.4	259.0	3 037.7
	NORTHEAST REGION	2 937	738	106.0	837.1	80.0	172.0	575.4	1 533.9	750.0	2 249.5	93.1	84.6	925.9
	NEW ENGLAND DIVISION	1 094	310	51.7	411.7	38.0	83.2	277.2	736.9	334.7	1 058.2	41.4	40.4	426.0
	MAINE	12	3	.2	1.1	.1	.3	.9	2.0	.5	2.5	.2	.2	1.3
	NEW HAMPSHIRE	36	14	1.3	9.3	.9	2.1	6.0	20.7	7.5	25.6	1.1	.7	8.4
	VERMONT	16	9	5.4	40.1	3.5	7.7	25.3	72.3	39.0	110.2	4.0	4.4	47.6
	MASSACHUSETTS	407	123	19.2	145.4	13.7	29.4	96.3	275.2	98.7	370.7	14.1	15.0	150.3
	RHODE ISLAND	87	18	5.3	42.6	3.9	8.3	27.8	62.3	37.5	99.7	4.8	4.3	40.8
	CONNECTICUT	536	143	20.4	173.1	15.8	35.3	120.9	304.5	151.4	449.5	17.2	15.8	177.7
	MIDDLE ATLANTIC DIVISION	1 843	428	54.3	425.4	41.9	88.8	298.2	797.0	415.4	1 191.3	51.7	44.2	499.9
	NEW YORK	786	167	20.9	164.7	16.0	33.6	113.7	315.8	126.1	431.8	16.6	17.6	212.7
	NEW JERSEY	546	122	10.5	84.4	8.3	18.0	60.5	146.9	80.9	223.7	9.5	8.1	83.7
	PENNSYLVANIA	511	139	23.0	176.4	17.6	37.2	124.1	334.3	208.3	535.8	25.6	18.5	203.6

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
354	METALWORKING MACHINERY--CONTINUED													
	NORTH CENTRAL REGION	4 967	1 576	198.3	1 779.6	150.1	331.4	1 234.2	3 091.9	1 553.1	4 581.7	192.5	151.4	1 847.4
	EAST NORTH CENTRAL DIVISION	4 567	1 471	187.6	1 696.7	141.7	313.4	1 176.4	2 937.8	1 482.8	4 361.3	179.9	144.2	1 772.1
	OHIO	1 032	370	61.6	532.0	44.4	98.1	350.5	955.8	508.2	1 450.6	56.5	45.6	553.4
	INDIANA	416	115	9.2	79.2	7.4	16.3	58.9	123.9	52.5	175.1	8.1	8.0	87.7
	ILLINOIS	995	266	38.9	331.0	29.1	64.0	224.7	555.9	335.6	882.5	39.0	30.4	362.6
	MICHIGAN	1 822	634	64.3	638.9	50.8	114.6	466.0	1 096.2	487.6	1 558.9	62.3	49.7	661.6
	WISCONSIN	302	86	13.5	115.6	10.0	20.4	76.3	205.9	98.9	294.2	14.1	10.5	106.9
	WEST NORTH CENTRAL DIVISION	400	105	10.7	82.9	8.4	18.0	57.7	154.2	70.3	220.4	12.5	7.2	75.3
	MINNESOTA	124	36	3.7	28.8	2.9	6.2	20.3	52.4	24.9	76.4	4.8	(D)	(D)
	IOWA	63	16	2.1	17.5	1.5	3.3	11.5	31.8	14.1	44.6	2.2	1.7	18.0
	MISSOURI	165	42	4.1	30.8	3.3	6.8	21.4	57.1	25.7	81.1	4.8	3.1	33.7
	SOUTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	14	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.8
	KANSAS	31	7	.4	2.9	.3	.8	2.3	7.0	3.2	10.2	.6	(D)	(D)
	SOUTH REGION	578	151	17.7	113.6	14.4	29.5	82.1	228.8	119.7	337.7	18.0	11.3	124.0
	SOUTH ATLANTIC DIVISION	280	75	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	35	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	15	5	.3	2.0	.2	.4	1.4	3.2	.7	3.9	.3	.1	1.4
	WEST VIRGINIA	11	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	50	13	1.3	7.5	1.1	2.2	5.6	12.3	10.2	22.1	1.5	.6	5.0
	SOUTH CAROLINA	25	8	1.9	10.1	1.3	2.5	5.5	21.3	16.1	37.8	1.2	(D)	9.6
	GEORGIA	44	13	.9	6.5	.7	1.6	4.8	10.3	6.0	16.3	.8	.4	4.6
	FLORIDA	95	25	1.4	10.1	1.2	2.7	7.6	18.0	6.6	24.2	1.9	.9	8.4
	EAST SOUTH CENTRAL DIVISION	134	41	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KENTUCKY	42	14	1.1	7.5	.9	2.0	5.6	16.4	6.9	23.1	1.1	.8	7.3
	TENNESSEE	67	23	1.9	11.7	1.6	3.4	8.7	22.7	11.6	33.4	2.9	.8	6.5
	ALABAMA	18	3	.3	2.0	.2	.5	1.5	3.4	.8	4.1	.4	.3	2.6
	WEST SOUTH CENTRAL DIVISION	164	35	3.9	26.9	3.0	6.4	17.8	54.9	25.6	76.3	3.3	2.0	24.0
	ARKANSAS	26	8	.9	5.0	.7	1.6	3.4	7.8	6.5	12.8	.8	(D)	(D)
	OKLAHOMA	13	4	.2	1.2	.2	.3	1.0	2.1	1.3	3.4	.2	.1	1.3
	TEXAS	119	23	2.8	20.6	2.1	4.4	13.3	44.6	17.6	59.5	2.3	1.5	17.7
	WEST REGION	957	187	15.0	129.3	11.6	24.9	92.8	236.8	111.9	342.5	15.8	11.7	142.7
	MOUNTAIN DIVISION	71	14	.8	5.5	.6	1.3	4.2	9.1	3.3	12.4	.9	.6	5.8
	COLORADO	32	4	.2	1.9	.2	.4	1.4	3.5	1.2	4.7	.4	.1	1.0
	ARIZONA	28	8	.4	3.1	.4	.8	2.5	4.8	1.7	6.6	.4	.2	2.3
	PACIFIC DIVISION	886	173	14.2	123.8	11.0	23.6	88.6	227.6	108.6	330.2	14.9	11.1	136.9
	WASHINGTON	26	4	.6	5.8	.5	1.0	4.5	10.2	5.6	15.3	.8	.4	5.5
	OREGON	28	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.0
	CALIFORNIA	830	167	13.3	116.5	10.3	22.3	83.0	215.0	101.7	311.2	14.0	10.6	130.3
355	SPECIAL INDUSTRY MACHINERY	3 312	1 368	206.7	1 569.9	141.0	296.4	950.5	2 880.3	2 182.5	4 993.0	179.3	171.5	1 917.2
	NORTHEAST REGION	1 255	502	86.3	661.8	58.5	124.0	401.3	1 163.8	846.2	1 989.4	66.5	74.0	794.2
	NEW ENGLAND DIVISION	392	169	34.7	256.3	23.1	49.0	153.5	433.0	309.2	743.3	20.5	31.7	324.4
	MAINE	20	6	.9	4.9	.7	1.5	3.5	7.3	6.0	12.9	.7	.6	4.2
	NEW HAMPSHIRE	17	12	3.6	23.7	2.4	5.3	14.7	38.9	25.2	64.5	2.2	3.4	32.1
	VERMONT	12	3	.2	.9	.1	.2	.6	1.7	1.0	2.6	(Z)	.4	2.3
	MASSACHUSETTS	236	107	21.4	156.2	14.2	29.9	94.8	247.7	190.5	441.5	12.0	20.2	200.4
	RHODE ISLAND	39	16	3.5	25.6	2.2	4.6	13.8	51.1	25.0	73.8	1.2	2.9	30.5
	CONNECTICUT	68	25	5.2	45.1	3.5	7.5	26.1	86.3	61.4	148.0	4.4	4.2	55.0
	MIDDLE ATLANTIC DIVISION	863	333	51.6	405.5	35.4	75.0	247.8	730.7	537.0	1 246.0	46.0	42.3	469.8
	NEW YORK	348	107	17.9	146.0	12.3	25.3	90.0	282.8	190.6	462.9	9.7	15.1	187.2
	NEW JERSEY	281	109	13.0	106.3	8.7	18.7	62.2	204.0	150.4	343.7	15.4	11.3	129.3
	PENNSYLVANIA	234	117	20.6	153.1	14.4	31.0	95.6	243.9	196.1	439.5	21.0	15.8	153.3
	NORTH CENTRAL REGION	974	434	64.7	520.3	44.4	93.1	323.7	983.4	784.0	1 746.9	50.7	56.3	693.9
	EAST NORTH CENTRAL DIVISION	793	367	57.8	469.9	39.9	83.5	295.6	881.3	708.6	1 573.1	45.1	49.9	624.5
	OHIO	217	103	17.5	139.7	12.1	25.7	87.2	256.9	219.3	472.2	15.7	16.3	199.2
	INDIANA	73	29	5.4	43.7	3.7	8.0	28.3	89.4	47.4	134.2	5.3	2.9	35.2
	ILLINOIS	266	117	17.0	136.5	11.5	23.3	83.4	236.9	188.9	415.6	10.0	14.5	174.2
	MICHIGAN	132	66	7.8	69.0	5.0	10.5	38.7	158.2	116.7	273.5	6.9	7.0	109.6
	WISCONSIN	105	52	10.0	80.9	7.6	16.0	57.9	139.9	136.3	277.6	7.1	9.2	106.3
	WEST NORTH CENTRAL DIVISION	181	67	6.9	50.4	4.6	9.6	28.1	102.1	75.4	173.8	5.6	6.4	69.4
	MINNESOTA	47	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	20.2
	IOWA	35	16	2.1	15.1	1.5	3.3	9.5	32.8	24.7	58.8	1.9	1.6	14.5
	MISSOURI	68	17	2.0	15.1	1.2	2.5	7.7	26.1	21.7	46.7	.9	2.0	22.3
	KANSAS	20	10	1.1	7.9	.7	1.4	3.5	15.3	11.5	24.8	1.2	.9	11.7
	SOUTH REGION	645	296	38.5	245.5	27.4	58.5	151.7	474.6	367.2	832.0	33.4	29.1	292.0
	SOUTH ATLANTIC DIVISION	409	206	27.4	172.9	19.9	42.0	107.6	334.9	254.9	592.2	18.2	20.8	198.8
	DELAWARE	8	5	.8	7.5	.5	.9	3.4	6.6	5.9	12.5	.3	(D)	(D)
	MARYLAND	35	18	3.7	29.4	2.5	5.3	18.1	48.6	45.6	95.4	2.1	3.0	34.1
	VIRGINIA	28	14	1.5	9.5	1.0	1.9	5.1	22.4	10.6	32.6	.5	.7	6.2
	WEST VIRGINIA	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	156	82	9.5	55.0	7.0	15.0	34.8	134.3	85.1	218.4	9.8	7.0	73.0
	SOUTH CAROLINA	64	31	6.8	37.7	5.3	11.1	26.2	66.9	57.8	126.0	2.7	4.9	38.8
	GEORGIA	68	36	3.4	20.7	2.5	5.2	12.8	35.0	27.7	64.5	1.0	3.1	26.6
	FLORIDA	42	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	12.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
355	SPECIAL INDUSTRY MACHINERY--CON.													
	EAST SOUTH CENTRAL DIVISION. . .	102	41	5.9	36.5	4.1	8.9	23.3	72.7	61.6	130.9	5.4	3.6	41.3
	KENTUCKY	34	15	1.4	10.0	1.0	2.0	6.0	20.3	13.5	32.8	(D)	(D)	(D)
	TENNESSEE.	37	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA.	25	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	11.9
	MISSISSIPPI.	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION. . .	134	49	5.2	36.1	3.5	7.6	20.7	67.0	50.7	108.9	9.7	4.8	51.9
	ARKANSAS	12	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.2
	LOUISIANA.	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	6.5
	OKLAHOMA	23	7	.7	5.1	.5	1.1	3.2	13.0	7.0	19.5	.6	.5	5.0
	TEXAS.	89	33	3.8	26.5	2.4	5.2	14.4	45.5	38.6	76.4	8.5	3.5	39.1
	WEST REGION.	438	136	17.1	142.3	10.7	21.3	73.8	258.0	185.2	424.7	28.7	12.1	139.3
	MOUNTAIN DIVISION[e]	34	10	.8	5.9	.5	1.1	3.1	9.9	10.1	19.9	.3	.6	5.9
	COLORADO[e].	13	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	404	126	16.3	136.5	10.2	20.2	70.7	248.0	175.0	404.7	28.5	11.5	133.3
	WASHINGTON	47	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	15.4
	OREGON	59	20	2.1	15.7	1.4	2.7	9.1	31.7	18.3	50.2	1.0	(D)	(D)
	CALIFORNIA	295	88	12.0	103.9	7.1	14.3	50.4	188.3	135.0	305.1	26.6	8.2	91.1
	HAWAII	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
356	GENERAL INDUSTRIAL MACHINERY . . .	3 760	1 432	279.2	2 137.0	196.6	410.5	1 353.7	4 107.2	2 902.2	6 923.3	291.4	233.1	2 812.7
	NORTHEAST REGION	1 107	449	110.3	834.9	76.7	162.3	529.5	1 552.3	1 038.1	2 562.0	109.7	94.4	1 079.4
	NEW ENGLAND DIVISION	312	135	35.3	267.7	26.3	58.2	182.0	488.9	245.0	727.4	44.7	33.1	383.8
	NEW HAMPSHIRE.	16	9	3.4	20.0	2.6	5.3	13.6	40.6	11.6	49.7	(D)	2.0	17.8
	VERMONT.	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS.	155	61	9.7	70.2	6.7	14.2	44.5	129.4	84.2	213.9	7.5	9.3	97.2
	RHODE ISLAND	22	8	.7	5.1	.5	1.0	3.0	10.6	8.0	18.7	.3	(D)	(D)
	CONNECTICUT.	109	53	21.2	171.0	16.4	37.4	119.9	305.6	139.7	441.0	30.9	20.8	259.5
	MIDDLE ATLANTIC DIVISION	795	314	75.1	576.2	50.3	104.1	347.5	1 063.4	793.1	1 834.6	65.1	61.4	695.6
	NEW YORK	293	103	28.4	215.2	18.3	37.9	124.1	381.6	308.5	686.3	21.9	24.6	265.3
	NEW JERSEY	200	81	16.4	131.0	11.5	24.0	85.8	232.9	192.5	421.6	19.2	14.9	178.6
	PENNSYLVANIA	302	130	30.3	230.0	20.6	42.2	137.6	448.9	292.1	726.8	23.9	21.9	251.6
	NORTH CENTRAL REGION	1 659	659	127.5	999.1	90.9	187.6	645.4	1 952.8	1 327.9	3 243.8	143.4	104.1	1 323.2
	EAST NORTH CENTRAL DIVISION. . .	1 449	574	116.2	917.4	83.0	171.2	593.9	1 763.3	1 214.1	2 943.2	134.7	95.2	1 204.8
	OHIO	360	137	36.3	280.4	25.5	51.9	179.1	534.9	453.9	983.0	47.1	31.2	375.4
	INDIANA.	130	65	21.2	158.6	15.7	31.7	107.1	316.2	193.7	501.5	20.5	16.5	203.7
	ILLINOIS	385	160	26.8	207.7	18.8	39.5	129.4	412.0	264.8	666.6	35.7	20.3	271.1
	MICHIGAN	386	138	18.2	158.0	13.8	29.2	109.3	277.8	164.9	433.8	15.7	16.1	209.3
	WISCONSIN.	188	74	13.8	112.8	9.2	19.1	69.0	222.5	136.8	358.3	15.6	11.0	145.4
	WEST NORTH CENTRAL DIVISION. . .	210	85	11.3	81.7	8.0	16.4	51.5	189.5	113.8	300.6	8.7	8.9	118.4
	MINNESOTA.	68	29	4.0	30.9	2.8	5.9	18.5	62.5	40.9	102.8	2.6	2.5	29.0
	IOWA	33	15	1.7	12.1	1.2	2.4	7.4	22.4	17.5	39.6	1.1	1.7	20.7
	MISSOURI	56	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	26.6
	NEBRASKA	12	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	38	14	2.2	15.3	1.4	3.1	9.3	30.6	22.3	51.5	1.4	1.1	14.7
	SOUTH REGION	462	163	22.7	148.2	16.7	35.2	95.3	338.8	297.1	620.8	25.6	13.9	174.0
	SOUTH ATLANTIC DIVISION.	175	61	7.0	42.5	5.4	11.7	28.7	96.3	76.9	170.8	10.7	4.1	47.4
	MARYLAND	23	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	9.7
	VIRGINIA	18	9	.9	6.0	.7	1.7	4.6	16.4	16.2	32.7	3.6	.6	8.0
	NORTH CAROLINA	27	11	.9	5.4	.7	1.5	3.5	12.8	11.4	24.2	.9	.4	4.0
	SOUTH CAROLINA	16	13	1.9	9.9	1.7	3.6	7.9	24.7	14.9	39.1	2.0	.7	11.9
	GEORGIA.	19	7	.8	4.7	.5	1.1	2.6	13.3	7.6	19.5	.6	.6	7.0
	FLORIDA.	57	12	.9	5.7	.7	1.5	3.5	11.4	8.4	19.4	.6	.5	5.6
	EAST SOUTH CENTRAL DIVISION. . .	89	29	6.3	41.9	4.7	10.0	29.4	113.4	84.1	193.2	7.8	3.7	48.8
	KENTUCKY	22	10	2.9	20.2	2.1	4.6	15.1	56.1	44.5	97.1	4.3	1.7	30.9
	TENNESSEE.	25	10	1.8	10.4	1.3	2.6	6.4	17.6	20.2	37.5	.8	1.2	11.0
	ALABAMA.	30	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	6.0
	MISSISSIPPI.	12	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.0
	WEST SOUTH CENTRAL DIVISION. . .	198	73	9.3	63.8	6.6	13.6	37.2	129.1	136.1	256.8	7.1	6.2	77.8
	ARKANSAS	9	5	.7	5.1	.4	.8	2.2	4.6	15.7	19.5	.4	.3	3.6
	LOUISIANA.	16	4	.3	2.5	.2	.5	1.5	4.8	5.9	10.6	.4	.2	1.6
	OKLAHOMA	38	20	3.5	23.6	2.4	5.0	13.3	47.3	41.4	86.2	1.9	2.2	26.1
	TEXAS.	135	44	4.8	32.5	3.5	7.3	20.3	72.4	73.1	140.6	4.5	3.5	46.6
	WEST REGION.	532	161	18.6	145.8	12.3	25.3	83.5	263.2	239.0	496.7	12.7	20.7	245.1
	MOUNTAIN DIVISION.	60	17	2.6	19.5	1.6	3.4	10.6	34.6	34.7	68.5	1.7	1.2	18.7
	COLORADO	26	8	.9	6.8	.7	1.5	4.5	13.9	17.0	31.4	.8	.5	9.2
	UTAH	16	5	1.5	11.7	.8	1.8	5.5	19.1	16.4	34.3	.9	(D)	(D)
	PACIFIC DIVISION	472	144	16.1	126.3	10.7	21.8	72.9	228.6	204.3	428.2	11.0	19.5	226.4
	WASHINGTON	26	8	.8	6.6	.6	1.1	4.5	10.5	7.5	18.0	.4	.4	4.3
	OREGON	22	6	.3	2.5	.2	.4	1.7	4.1	2.8	6.9	.3	(D)	(D)
	CALIFORNIA	424	130	15.0	117.3	9.8	20.3	66.7	214.0	194.0	403.3	10.3	18.9	219.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
357	OFFICE AND COMPUTING MACHINES	594	319	190.4	1 462.2	119.6	237.1	757.0	3 331.8	2 472.8	5 731.0	192.7	137.1	1 633.7
	NORTHEAST REGION	218	122	65.8	468.4	43.1	86.1	253.5	1 160.1	934.1	2 059.3	50.3	60.6	607.0
	NEW ENGLAND DIVISION	64	37	20.8	143.9	13.5	26.3	77.2	469.0	148.6	608.8	15.3	14.8	175.9
	NEW HAMPSHIRE	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VERMONT	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	36	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	50.4
	CONNECTICUT	17	10	10.2	71.3	7.4	13.9	44.3	128.2	42.8	170.9	7.1	9.7	112.1
	MIDDLE ATLANTIC DIVISION	154	85	45.0	324.5	29.6	59.8	176.3	691.1	785.4	1 450.5	35.0	45.8	431.0
	NEW YORK	84	41	33.0	244.8	21.1	43.0	128.3	488.2	681.7	1 155.2	24.8	36.5	324.9
	NEW JERSEY	44	27	6.9	46.2	4.7	9.5	27.0	120.0	70.4	185.7	4.4	4.6	48.6
	PENNSYLVANIA	26	17	5.1	33.4	3.8	7.3	20.9	82.8	33.3	109.6	5.8	4.7	57.5
	NORTH CENTRAL REGION	155	90	67.6	534.2	45.8	89.6	319.0	1 130.1	648.1	1 721.6	50.8	50.5	699.5
	EAST NORTH CENTRAL DIVISION	119	72	46.9	369.6	35.6	68.1	255.7	694.3	340.8	1 009.2	35.6	37.7	490.5
	OHIO	28	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	INDIANA	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	48	32	8.9	62.2	5.8	11.8	34.1	149.9	85.9	230.9	(D)	7.8	106.1
	MICHIGAN	23	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WISCONSIN	13	8	2.2	14.3	1.6	3.4	9.7	22.2	11.7	34.9	1.1	(D)	(D)
	WEST NORTH CENTRAL DIVISION	36	18	20.7	164.6	10.1	21.6	63.3	435.8	307.3	712.4	15.2	12.8	209.1
	MINNESOTA	23	14	19.1	156.0	8.8	18.9	56.9	414.3	301.2	686.9	13.3	(D)	(D)
	MISSOURI	10	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	74	37	20.5	153.4	13.0	25.8	78.2	434.3	329.5	757.7	25.4	8.4	150.4
	SOUTH ATLANTIC DIVISION	43	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	8	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.7
	SOUTH CAROLINA	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	10	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KENTUCKY	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	23	8	2.7	19.3	1.6	3.2	8.2	32.2	24.6	63.5	2.4	(D)	(D)
	ARKANSAS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	16	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	147	70	36.4	306.2	17.7	35.6	106.3	607.4	561.2	1 192.4	66.2	17.7	176.8
	MOUNTAIN DIVISION	23	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARIZONA	6	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	124	60	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WASHINGTON	8	2	.2	1.5	.2	.3	.7	2.8	1.7	4.3	.2	(D)	(D)
	CALIFORNIA	113	58	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
358	SERVICE INDUSTRY MACHINES	1 573	680	139.6	946.8	100.7	203.1	603.4	2 125.1	2 262.1	4 305.0	134.1	112.6	1 368.9
	NORTHEAST REGION	413	184	33.3	228.5	23.9	48.3	146.8	518.2	507.5	1 004.9	22.0	33.9	428.1
	NEW ENGLAND DIVISION	77	35	4.8	32.9	3.2	6.3	18.1	71.2	53.8	119.3	2.2	6.2	70.3
	MAINE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VERMONT	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	41	20	2.4	17.0	1.6	3.2	9.2	39.1	25.6	59.6	.8	4.2	48.3
	RHODE ISLAND[e]	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.7
	CONNECTICUT	23	9	1.4	10.0	1.0	1.9	5.4	19.5	22.1	41.0	1.1	1.2	11.4
	MIDDLE ATLANTIC DIVISION	336	149	28.6	195.7	20.7	42.0	128.8	447.0	453.8	885.7	19.8	27.7	357.8
	NEW YORK	156	58	10.6	77.3	8.0	16.1	54.0	195.5	200.2	391.6	9.4	11.6	169.3
	NEW JERSEY	77	39	8.1	54.2	5.8	11.8	34.5	122.1	129.2	247.8	4.8	5.4	57.4
	PENNSYLVANIA	103	52	9.8	64.2	7.0	14.1	40.2	129.4	124.4	246.3	5.6	10.7	131.0
	NORTH CENTRAL REGION	566	266	69.5	490.6	49.7	100.1	313.0	1 094.3	1 151.1	2 196.0	76.8	53.5	653.5
	EAST NORTH CENTRAL DIVISION	426	193	52.5	373.9	37.7	76.3	242.8	845.0	917.7	1 718.7	53.5	39.1	460.8
	OHIO	100	44	15.7	113.0	12.2	25.6	81.7	295.5	276.8	554.4	9.9	10.0	120.3
	INDIANA	44	21	6.7	43.1	4.7	9.1	27.8	79.5	96.6	176.9	6.5	5.4	52.2
	ILLINOIS	153	76	11.9	87.9	8.0	16.5	50.7	175.5	170.2	336.0	7.2	9.9	114.8
	MICHIGAN	71	29	11.6	83.9	8.9	17.7	59.2	205.0	291.8	479.3	16.8	8.4	109.2
	WISCONSIN	58	23	6.5	45.9	3.9	7.4	23.4	89.5	82.4	172.1	13.1	5.4	64.4
	WEST NORTH CENTRAL DIVISION	140	73	17.0	116.7	12.0	23.8	70.3	249.3	233.4	477.3	23.3	14.3	192.7
	MINNESOTA	48	27	6.7	47.1	4.7	9.8	27.5	108.6	102.5	209.5	5.7	4.9	68.1
	IOWA	21	10	1.5	11.3	.9	1.9	5.6	23.0	17.5	40.2	1.3	1.1	32.0
	MISSOURI	42	27	8.1	53.9	5.7	11.0	34.2	107.3	100.7	204.9	15.9	7.4	76.2
	KANSAS	16	8	.6	4.0	.5	1.0	2.7	9.7	12.0	21.4	.3	.9	15.3

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963		
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)							
358	SERVICE INDUSTRY MACHINES--CON.														
	SOUTH REGION	346	148	27.4	159.2	20.5	41.1	101.1	379.8	465.9	833.0	28.2	17.2	204.7	358
	SOUTH ATLANTIC DIVISION	123	52	8.3	52.3	6.0	12.1	30.3	103.0	119.7	218.7	5.8	5.2	58.8	358
	DELAWARE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	MARYLAND	16	11	2.1	14.0	1.5	2.9	7.8	27.1	30.7	58.6	1.2	1.3	18.2	358
	VIRGINIA	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	WEST VIRGINIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	NORTH CAROLINA	22	9	2.4	15.3	1.6	3.3	8.0	28.8	33.6	60.5	2.8	1.1	12.2	358
	SOUTH CAROLINA	7	3	.3	1.4	.2	.4	.8	3.0	3.1	6.1	(Z)	(D)	(D)	358
	GEORGIA	19	9	1.4	8.7	1.1	2.2	5.8	15.9	19.7	35.2	.6	.9	7.7	358
	FLORIDA	47	12	.8	4.6	.6	1.0	2.6	10.3	9.7	19.5	.3	.5	5.0	358
	EAST SOUTH CENTRAL DIVISION	51	23	7.4	41.9	5.9	11.9	29.9	123.4	141.9	258.5	15.4	4.7	66.2	358
	KENTUCKY	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	38.7	358
	TENNESSEE	26	8	2.0	9.7	1.5	3.1	6.4	33.0	35.0	67.4	8.8	1.3	17.3	358
	ALABAMA	14	7	1.8	9.3	1.4	2.8	6.3	23.6	29.0	49.9	(D)	(D)	(D)	358
	MISSISSIPPI	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	WEST SOUTH CENTRAL DIVISION	172	73	11.7	65.1	8.6	17.1	40.9	153.4	204.3	355.8	6.9	7.4	79.8	358
	ARKANSAS	16	7	1.0	4.9	.8	1.6	3.4	12.5	15.9	28.6	.4	.8	6.9	358
	LOUISIANA	9	5	.4	2.3	.3	.5	1.5	5.5	5.9	11.4	.2	.3	3.0	358
	OKLAHOMA	26	10	.7	4.2	.5	1.1	2.4	7.1	11.8	18.4	.3	.9	6.9	358
	TEXAS	121	51	9.5	53.7	7.0	13.9	33.6	128.3	170.8	297.4	6.1	5.5	62.9	358
	WEST REGION	248	82	9.3	68.5	6.5	13.5	42.4	132.8	137.6	271.1	7.2	8.2	88.2	358
	MOUNTAIN DIVISION	41	8	1.5	10.0	1.0	2.2	6.6	21.5	19.0	39.7	(D)	2.0	24.5	358
	ARIZONA	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	14.2	358
	UTAH	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	PACIFIC DIVISION	207	74	7.9	58.5	5.5	11.3	35.8	111.3	118.7	231.3	(D)	6.2	63.7	358
	WASHINGTON	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	358
	OREGON	18	5	.4	2.9	.3	.7	2.3	5.5	5.9	11.3	(D)	.2	2.2	358
	CALIFORNIA	181	65	7.2	53.6	5.0	10.2	32.3	101.1	109.9	212.4	4.0	5.6	58.4	358
359	MISC. MACHINERY, EXCEPT ELECTRICAL	15 109	2 249	202.5	1 443.1	168.8	346.2	1 092.8	2 531.2	1 198.9	3 712.0	179.1	135.8	1 366.3	359
	NORTHEAST REGION	3 988	658	53.8	381.1	45.1	93.5	288.4	654.8	292.7	945.6	50.1	35.0	324.4	359
	NEW ENGLAND DIVISION	1 302	220	16.6	117.5	13.8	28.8	87.7	192.1	76.3	267.3	15.0	11.9	107.2	359
	MAINE[6]	38	4	.3	1.7	.2	.5	1.3	3.0	1.9	4.8	.4	.3	1.7	359
	NEW HAMPSHIRE	55	8	.5	3.5	.5	1.0	2.9	5.5	1.8	7.4	.4	.5	3.9	359
	VERMONT	26	3	.2	1.1	.2	.3	.9	1.8	.9	2.7	.1	.1	1.3	359
	MASSACHUSETTS	539	98	7.0	50.4	5.7	12.0	36.9	81.8	31.2	112.1	5.9	5.3	47.1	359
	RHODE ISLAND	104	12	1.1	6.6	.8	1.6	5.0	11.1	3.8	15.0	.8	.8	6.8	359
	CONNECTICUT	540	95	7.5	54.1	6.3	13.4	40.7	88.8	36.8	125.2	7.5	4.8	46.5	359
	MIDDLE ATLANTIC DIVISION	2 686	438	37.2	263.5	31.3	64.7	200.7	462.8	216.4	678.3	35.2	23.0	217.2	359
	NEW YORK	1 123	188	18.3	135.8	15.4	32.3	103.1	241.0	105.4	345.9	17.8	9.3	90.6	359
	NEW JERSEY	747	88	7.1	49.9	6.0	12.5	37.9	87.1	39.4	126.2	6.2	5.6	53.7	359
	PENNSYLVANIA	816	162	11.8	77.9	10.0	20.0	59.7	134.6	71.5	206.3	11.2	8.1	72.9	359
	NORTH CENTRAL REGION	4 673	787	81.6	593.3	66.7	136.6	440.4	1 036.0	510.5	1 534.5	69.3	56.1	600.1	359
	EAST NORTH CENTRAL DIVISION	3 724	639	63.1	467.4	51.4	105.4	343.8	826.0	395.4	1 213.9	51.9	43.9	482.7	359
	OHIO	1 053	172	15.9	117.5	13.4	28.1	89.6	208.4	95.6	302.4	14.9	10.0	99.3	359
	INDIANA	355	63	7.3	52.5	6.1	12.2	39.3	84.5	44.4	128.7	3.6	(D)	(D)	359
	ILLINOIS	952	152	15.2	113.2	11.7	23.9	79.3	207.6	96.9	303.3	13.6	10.9	114.9	359
	MICHIGAN	997	185	19.4	149.4	15.9	32.6	110.2	261.7	126.4	384.2	16.0	(D)	(D)	359
	WISCONSIN	367	67	5.3	34.8	4.3	8.6	25.4	63.9	32.0	95.3	3.8	(D)	(D)	359
	WEST NORTH CENTRAL DIVISION	949	148	18.4	125.9	15.3	31.2	96.6	210.0	115.1	320.6	17.4	12.2	117.4	359
	MINNESOTA	283	62	4.8	35.3	4.2	8.8	27.4	58.3	26.8	85.1	6.0	3.1	29.3	359
	IOWA	129	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	5.8	359
	MISSOURI	289	46	7.8	56.7	6.3	12.3	42.6	88.3	53.7	139.3	6.9	6.2	59.0	359
	SOUTH DAKOTA	18	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	359
	NEBRASKA[6]	60	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.8	359
	KANSAS	152	23	3.7	21.8	3.1	6.5	17.5	41.5	20.8	61.4	3.4	1.7	18.6	359
	SOUTH REGION	2 794	331	29.8	184.9	25.3	51.1	143.4	333.7	161.7	493.9	21.4	20.1	175.7	359
	SOUTH ATLANTIC DIVISION	1 091	144	12.1	76.2	10.2	20.7	57.9	128.8	62.3	190.2	9.7	8.6	71.8	359
	DELAWARE	23	2	.2	1.5	.2	.3	1.1	2.4	1.2	3.6	.1	.2	1.8	359
	MARYLAND	130	22	3.3	23.8	2.6	5.6	17.1	38.3	16.2	54.1	3.0	2.3	23.8	359
	VIRGINIA	116	19	1.2	7.5	1.0	2.1	5.8	11.8	6.7	18.2	1.1	.8	6.3	359
	WEST VIRGINIA	85	13	.8	5.0	.7	1.3	3.8	8.2	4.8	12.9	.3	.7	5.8	359
	NORTH CAROLINA	208	27	1.7	9.9	1.5	3.0	7.6	19.0	8.3	27.2	1.5	1.1	8.5	359
	SOUTH CAROLINA	83	9	.6	3.5	.5	1.1	2.6	5.3	4.0	9.2	.7	.9	5.9	359
	GEORGIA	169	19	1.5	7.8	1.3	2.5	6.3	13.2	7.6	21.2	.9	.7	5.8	359
	FLORIDA	271	31	2.7	16.6	2.4	4.7	13.2	29.6	13.2	42.4	2.0	1.6	12.6	359
	EAST SOUTH CENTRAL DIVISION	432	57	7.5	43.2	6.3	12.5	33.4	81.9	46.0	128.0	3.7	4.4	41.8	359
	KENTUCKY	100	16	2.5	13.8	2.2	4.5	11.4	28.3	18.9	47.7	1.2	1.8	18.3	359
	TENNESSEE	138	22	3.2	19.2	2.5	5.0	13.9	34.2	16.7	50.8	1.7	1.4	11.4	359
	ALABAMA	136	12	1.1	6.2	1.0	1.9	5.0	11.9	5.7	17.5	.6	.7	7.4	359
	MISSISSIPPI	58	7	.7	4.1	.6	1.2	3.1	7.4	4.7	12.1	.3	.5	4.7	359
	WEST SOUTH CENTRAL DIVISION	1 271	130	10.2	65.5	8.8	17.9	52.1	123.0	53.4	175.7	8.0	7.0	62.1	359
	ARKANSAS	75	6	.7	3.7	.6	1.3	3.0	8.1	3.6	11.6	.2	.4	2.9	359
	LOUISIANA	141	23	1.6	11.0	1.3	2.7	8.6	21.1	7.6	28.7	.6	1.1	10.1	359
	OKLAHOMA	178	19	1.5	8.8	1.2	2.6	7.1	16.3	5.9	22.3	1.4	1.1	9.1	359
	TEXAS	877	82	6.5	42.0	5.6	11.3	33.5	77.5	36.2	13.1	5.8	4.4	39.9	359

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
359	MISC. MACHINERY, EXCEPT ELECTRICAL--CONTINUED													
	WEST REGION	3 654	473	37.3	283.8	31.6	65.0	220.6	506.8	234.0	738.0	38.3	24.8	266.1
	MOUNTAIN DIVISION	426	45	4.2	28.2	3.6	7.2	21.9	46.9	25.2	71.7	3.9	3.2	28.2
	COLORADO	110	10	1.4	9.2	1.2	2.4	7.2	14.5	8.2	22.6	1.4	1.2	10.0
	NEW MEXICO	68	4	.4	2.9	.3	.7	2.2	5.6	2.8	8.4	.4	.4	4.0
	ARIZONA	123	21	1.6	10.5	1.3	2.6	8.0	17.2	6.4	23.4	1.3	(D)	(D)
	UTAH	45	7	.6	3.9	.5	1.0	3.0	6.4	5.9	12.2	.6	.4	2.9
	PACIFIC DIVISION	3 228	428	33.1	255.6	28.1	57.8	198.7	459.8	208.8	666.3	34.4	21.6	237.9
	WASHINGTON	234	29	2.7	22.0	2.3	4.5	16.7	40.0	36.7	79.3	4.2	1.5	14.7
	OREGON	164	16	1.3	9.6	1.1	2.1	7.4	15.9	7.1	23.3	1.0	1.2	13.8
	CALIFORNIA	2 802	381	28.8	222.6	24.5	50.9	173.6	401.2	163.6	559.6	29.1	18.7	208.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Machinery except electrical (SIC 35)	Engines and turbines (SIC 351)	Farm machinery (SIC 352)	Construction and related machinery (SIC 353)	Metalworking machinery (SIC 354)	Special industry machinery (SIC 355)	General industrial machinery (SIC 356)	Office and computing machines (SIC 357)	Service industry machines (SIC 358)	Miscellaneous machinery except electrical (SIC 359)
ESTABLISHMENTS, TOTAL ..... NUMBER	37 892	182	1 618	2 305	9 439	3 312	3 760	594	1 573	15 109
WITH 1 TO 19 EMPLOYEES ..... DO	27 265	63	957	1 158	6 787	1 944	2 328	275	893	12 860
WITH 20 TO 99 EMPLOYEES ..... DO	7 766	45	450	707	2 118	939	919	143	402	2 043
WITH 100 EMPLOYEES OR MORE ..... DO	2 861	74	211	440	534	429	513	176	278	206
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	1 864.5	99.9	136.3	272.6	337.0	206.7	279.2	190.4	139.6	202.5
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	14 226.3	819.6	946.7	2 041.3	2 859.5	1 569.9	2 137.0	1 462.2	946.8	1 443.1
PRODUCTION WORKERS:				190.2						
AVERAGE FOR YEAR 1,000	1 349.0	72.1	104.0	189.9	256.2	141.0	196.6	119.6	100.7	168.8
MARCH ..... DO	1 365.2	72.0	110.3	193.5	260.3	143.8	197.6	119.8	100.9	167.0
MAY ..... DO	1 361.0	71.5	108.1	190.8	258.7	142.1	198.0	118.8	103.2	169.7
AUGUST ..... DO	1 337.2	70.9	98.9	189.5	252.6	140.6	196.2	118.8	100.1	169.6
NOVEMBER ..... DO	1 332.6	73.9	98.8	187.0	252.6	137.7	194.5	120.8	98.5	168.8
MAN-HOURS ..... MILLIONS	2 785.0	147.1	203.2	383.4	557.9	296.5	410.5	237.1	203.1	346.2
JANUARY-MARCH ..... DO	724.1	37.7	57.1	100.8	145.8	77.0	106.0	60.6	50.6	88.5
APRIL-JUNE ..... DO	714.8	37.4	54.7	98.6	143.6	76.4	105.5	59.7	52.7	86.2
JULY-SEPTEMBER ..... DO	661.2	33.7	45.5	91.4	132.2	70.2	97.8	56.4	49.4	84.6
OCTOBER-DECEMBER ..... DO	684.9	38.3	45.9	92.6	136.3	72.9	101.2	60.4	50.4	86.9
WAGES ..... MILLION DOLLARS	9 236.1	540.2	662.3	1 291.6	1 984.5	950.5	1 353.7	757.0	603.4	1 092.8
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	21 231.6	1 567.0	2 323.2	3 788.0	2 534.8	2 182.6	2 902.1	2 472.8	2 262.2	1 198.9
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	16 516.1	1 474.8	2 173.4	3 358.1	2 081.6	1 785.9	2 480.1	2 209.0	2 031.4	921.7
COST OF RESALES ..... DO	1 500.5	43.3	91.0	266.8	186.0	269.7	256.2	148.7	178.7	60.1
FUELS CONSUMED ..... DO	138.8	11.8	17.8	23.5	20.3	12.9	23.4	6.1	9.4	13.6
PURCHASED ELECTRIC ENERGY ..... DO	217.2	13.0	14.0	34.4	40.8	21.9	33.8	15.4	15.0	28.9
CONTRACT WORK ..... DO	859.0	24.1	27.0	105.2	206.1	92.2	108.6	93.5	27.7	174.6
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	48 477.2	3 136.4	4 299.9	7 865.0	7 511.5	4 993.0	6 923.3	5 731.0	4 305.0	3 712.0
VALUE OF RESALES ..... DO	1 996.2	60.3	124.5	348.8	245.5	349.9	325.4	236.5	227.4	77.9
VALUE ADDED BY MANUFACTURE ..... DO	27 836.4	1 598.1	2 041.5	4 129.9	5 091.4	2 880.3	4 107.2	3 331.8	2 125.1	2 531.2
MANUFACTURERS' INVENTORIES:										
BEGINNING OF YEAR, TOTAL ..... DO	10 139.1	687.8	904.1	1 939.1	1 424.8	1 166.4	1 445.4	1 335.2	891.1	345.3
FINISHED PRODUCTS ..... DO	2 749.4	135.9	330.4	573.6	331.4	327.1	445.6	206.1	309.6	89.6
WORK IN PROCESS ..... DO	4 780.5	423.1	308.8	690.9	791.7	553.7	634.3	932.2	283.7	162.1
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	2 609.4	128.8	264.9	674.6	301.7	284.5	365.7	196.9	297.7	93.6
END OF YEAR, TOTAL ..... DO	10 917.0	728.3	994.6	1 978.4	1 563.7	1 257.9	1 553.5	1 480.5	991.7	368.6
FINISHED PRODUCTS ..... DO	3 073.1	137.2	381.7	610.2	380.7	376.4	512.8	219.6	360.1	94.4
WORK IN PROCESS ..... DO	5 046.7	450.5	321.9	707.1	857.1	574.2	653.0	992.2	315.2	175.5
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	2 797.0	140.6	291.0	661.1	325.9	307.3	387.6	268.6	316.2	98.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	1 977.7	167.3	134.1	291.1	344.5	190.6	307.1	199.1	139.4	204.5
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	1 868.1	163.9	128.5	279.6	319.4	179.3	291.4	192.7	134.1	179.1
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	506.5	47.2	35.2	71.5	68.9	62.9	89.9	44.0	48.8	38.2
NEW MACHINERY AND EQUIPMENT ..... DO	1 361.5	116.7	93.3	208.1	250.5	116.4	201.5	148.7	85.4	140.9
USED PLANT AND EQUIPMENT ..... DO	109.5	3.3	5.6	11.5	25.1	11.3	15.7	6.3	5.3	25.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

ENGINES AND TURBINES AND FARM MACHINERY AND EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3511--Steam Engines; Steam, Gas, and Hydraulic Turbines; and Steam, Gas, and Hydraulic Turbine Generator Set Units
3519--Internal Combustion Engines, Not Elsewhere Classified
3522--Farm Machinery and Equipment

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3511--STEAM ENGINES: STEAM, GAS, AND HYDRAULIC TURBINES; AND STEAM, GAS, AND HYDRAULIC TURBINE GENERATOR SET UNITS

This industry comprises establishments primarily engaged in manufacturing steam engines; steam turbines; hydraulic turbines; gas turbines except aircraft; and complete steam, gas, and hydraulic turbine generator set units. Establishments primarily engaged in building or rebuilding locomotives are classified in industry 3741; and those manufacturing nonautomotive type generators which are not part of a turbine generator set in industry 3621. For a detailed list of products of industry 3511, refer to table 6A, product codes 3511113 to 3511281.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Steam Engines and Turbines Industry in 1967 totaled $1,043 million. This included shipments of steam engines and turbines (primary products), valued at $830 million, shipments of other products (secondary products) valued at $169 million, and miscellaneous receipts of $45 million.

This industry's shipments of steam engines and turbines (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 85 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table

8. Approximately 76 percent of the total industry shipments are represented by plants specializing in product class 35111, steam, gas and hydraulic turbines generator set units and parts.

Industry 3511 shipments of steam engines and turbines (primary products) in 1967 represented 78 percent (coverage ratio) of these products valued at $1,059 million shipped by all industries. In 1963, the coverage ratio was 82 percent. Other industries shipping steam engines and turbines (primary products) consisted mainly of industry 3722, Aircraft Engines and Engine Parts, $73 million; and industry 3729, Aircraft Equipment, $70 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3511, these establishments accounted for 0 percent of payroll and 0 percent of value added by manufacture.

3519--INTERNAL COMBUSTION ENGINES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing diesel, semidiesel, or other internal combustion engines, not elsewhere classified, for stationery, marine, traction, and other uses. Establishments primarily engaged in manufacturing aircraft engines, including rocket engines, are classified in industry 3722, automotive engines except diesel in industry 3714, and engine generator sets in industry 3621. For a detailed list of products of industry 3519, refer to table 6A, product codes 3519100 to 3519915.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Internal Combustion Engines, N.E.C., Industry in 1967 totaled $2,093 million. This included shipments of internal combustion engines (primary products), valued at $1,813 million, shipments of other products (secondary products) valued at $213 million, and miscellaneous receipts (mainly resales) of $67 million.

This industry's shipments of internal combustion engines (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 included motors and generators ($50 million), and motor vehicle parts and accessories ($37 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3519 shipments of internal combustion engines (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $2,188 million shipped by all industries. In 1963, the coverage ratio was 85 percent. Other industries shipping internal combustion engines (primary products) consisted mainly of industry 3531, Construction Machinery, $113 million; and industry 3714, Motor Vehicle Parts and Accessories, $74 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other

Government agencies and the remaining statistics estimated from industry averages. For industry 3519, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3522--FARM MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing farm machinery, including equipment and wheel tractors, for use in the preparation and maintenance of the soil; planting and harvesting of the crop; preparing, on the farm, crops for market; or for use in performing other farm operations and processes. This industry includes wheel tractors, except contractors' off-highway type, which are classified in industry 3531. Establishments primarily engaged in manufacturing industrial trucks, tractors, and trailers used for handling materials in industrial plants, depots, and docks are classified in industry 3537; and farm handtools in Group 342. For a detailed list of products of industry 3522, refer to table 6A, product codes 3522100 to 3522931.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Farm Machinery Industry in 1967 totaled $4,299 million. This included shipments of farm machinery (primary products), valued at $3,826 million, shipments of other products (secondary products) valued at $319 million, and miscellaneous receipts (mainly resales) of $154 million.

This industry's shipments of farm machinery (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent. Secondary products shipped by this industry in 1967 included constructuon machinery ($57 million), and transportation equipment n.e.c. ($31 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 29 percent of the total industry shipments are represented by plants specializing in product class 35221,wheel tractors and attachments, and 18 percent in 35225, harvesting machinery.

Industry 3522 shipments of farm machinery (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $4,077 million shipped by all industries. In 1963, the coverage ratio was 95 percent. Other industries shipping farm machinery (primary products) included industry 3531, Construction Machinery, $96 million; and industry 3714, Motor Vehicle Parts and Accessories,$22 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3522, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3511.--STEAM ENGINES AND TURBINES													
1967 Census....	27	23	36.2	318.8	24.6	49.9	195.6	582.3	475.5	1,043.2	66.3	314.2	83	78
1966 ASM[1].....	(NA)	(NA)	34.4	299.5	23.8	49.7	192.6	504.8	424.3	867.2	33.8	316.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	34.6	285.1	23.8	47.8	182.1	477.0	351.1	793.9	29.3	253.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	32.6	264.0	21.7	42.4	164.4	458.4	296.3	744.8	14.2	201.3	(NA)	(NA)
1963 Census....	22	21	30.9	237.5	19.9	38.9	141.7	379.9	242.7	616.4	19.4	176.2	85	82
1962 ASM[1].....	(NA)	(NA)	33.1	245.6	21.1	41.3	145.2	408.4	252.7	657.7	16.7	185.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	33.8	238.5	21.1	41.1	138.0	420.0	251.1	696.0	19.0	167.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	36.6	244.9	23.4	44.7	142.8	505.5	260.7	758.3	16.5	192.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	40.3	260.0	25.5	50.0	155.1	497.6	287.5	814.0	18.7	205.3	(NA)	(NA)
1958 Census[2]...	28	25	45.3	274.6	29.3	57.8	172.1	568.6	361.1	961.8	20.5	236.0	78	94
	INDUSTRY 3519.--INTERNAL COMBUSTION ENGINES, N.E.C.													
1967 Census....	155	96	63.7	500.8	47.5	97.2	344.6	1,015.8	1,091.5	2,093.2	97.6	414.1	89	83
1966 ASM[1].....	(NA)	(NA)	64.1	494.0	48.1	102.3	349.4	1,074.7	1,041.4	2,052.5	71.8	402.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	59.2	426.7	44.5	89.5	292.4	912.9	888.6	1,768.8	58.8	343.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	58.2	402.4	42.1	85.6	268.4	823.3	830.2	1,622.2	45.9	310.8	(NA)	(NA)
1963 Census....	143	81	55.7	371.8	41.8	85.0	260.0	733.6	745.8	1,473.6	34.8	279.3	86	85
1962 ASM[1].....	(NA)	(NA)	53.1	335.5	41.1	78.5	231.2	623.3	708.4	1,316.9	30.2	257.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	46.1	280.9	40.2	65.3	184.1	501.0	561.8	1,080.0	32.0	231.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	50.0	297.5	43.6	71.2	199.0	520.4	612.2	1,158.5	24.7	240.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	55.9	336.6	42.7	84.4	229.0	656.1	682.9	1,296.8	35.6	282.2	(NA)	(NA)
1958 Census[2]...	113	76	52.0	286.8	42.6	72.6	191.0	520.4	552.3	1,055.8	50.6	230.7	90	82
	INDUSTRY 3522.--FARM MACHINERY													
1967 Census....	1,618	661	136.3	946.7	104.0	203.2	662.3	2,041.5	2,323.2	4,299.9	128.5	994.6	92	94
1966 ASM[1].....	(NA)	(NA)	137.3	966.3	105.2	213.7	679.4	2,057.1	2,362.2	4,332.0	108.9	927.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	123.2	819.0	93.9	188.7	573.1	1,682.3	1,867.8	3,532.6	86.7	800.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	118.6	769.9	90.2	181.9	538.3	1,526.1	1,745.2	3,204.1	83.6	748.0	(NA)	(NA)
1963 Census....	1,568	558	112.6	689.1	84.6	168.9	476.8	1,328.4	1,536.8	2,842.2	64.4	669.3	89	95
1962 ASM[1].....	(NA)	(NA)	106.2	618.2	77.1	151.7	413.0	1,205.9	1,335.0	2,482.0	43.0	648.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	102.5	579.3	76.4	150.7	382.0	1,057.1	1,251.6	2,339.5	45.9	545.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	99.1	540.2	71.1	141.7	355.5	941.0	1,162.1	2,162.6	55.6	549.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	113.2	617.8	84.8	167.7	424.0	1,172.2	1,450.7	2,559.5	42.8	601.9	(NA)	(NA)
1958 Census[2]...	1,469	509	108.6	551.0	79.9	154.0	373.2	1,087.8	1,318.4	2,421.9	54.7	516.0	90	94

Note: In 1967, 1963, and 1958, the number of companies in industry 3511 was 20, 17, and 21, respectively; in industry 3519: 129, 120, and 97; industry 3522: 1,526, 1,481, and 1,389. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3511.--STEAM ENGINES AND TURBINES								
1967 Census	8,809	68	2,028	3.92	.46	.76	16,086	55	11.67
1966 ASM	8,699	69	2,089	3.87	.49	.83	14,658	59	10.15
1965 ASM	8,231	69	2,014	3.81	.44	.80	13,770	60	9.97
1964 ASM	8,088	67	1,954	3.87	.40	.75	14,046	58	10.80
1963 Census	7,682	64	1,957	3.64	.39	.78	12,287	63	9.76
1962 ASM	7,412	64	1,956	3.52	.38	.76	12,326	60	9.89
1961 ASM	7,046	62	1,949	3.36	.36	.70	12,408	57	10.22
1960 ASM	6,689	64	1,908	3.19	.34	.67	13,806	48	11.31
1959 ASM	6,449	63	1,963	3.10	.35	.67	12,342	52	9.95
1958 Census	6,055	65	1,971	2.98	.38	.66	12,540	48	9.84
	INDUSTRY 3519.--INDUSTRIAL FURNACES AND OVENS								
1967 Census	7,861	75	2,046	3.55	.52	.76	15,947	49	10.45
1966 ASM	7,701	75	2,125	3.42	.51	.75	16,753	46	10.51
1965 ASM	7,213	75	2,010	3.27	.50	.74	15,431	47	10.20
1964 ASM	6,919	72	2,033	3.14	.51	.76	14,156	49	9.62
1963 Census	6,677	75	2,036	3.06	.51	.76	13,174	51	8.63
1962 ASM	6,317	77	1,907	2.95	.54	.79	11,735	54	7.94
1961 ASM	6,089	87	1,625	2.82	.52	.78	10,859	56	7.67
1960 ASM	5,949	87	1,632	2.80	.53	.79	10,408	57	7.31
1959 ASM	6,024	76	1,978	2.71	.53	.79	11,741	51	7.77
1958 Census	5,515	82	1,703	2.63	.52	.79	10,008	55	7.17
	INDUSTRY 3522.--FARM MACHINERY								
1967 Census	6,946	76	1,954	3.26	.54	.76	14,978	46	10.05
1966 ASM	7,036	77	2,031	3.18	.55	.77	14,978	47	9.63
1965 ASM	6,645	76	2,009	3.04	.53	.76	13,651	49	8.91
1964 ASM	6,491	76	2,016	2.96	.54	.78	12,865	50	8.39
1963 Census	6,119	75	1,995	2.82	.54	.78	11,796	52	7.86
1962 ASM	5,820	73	1,967	2.72	.54	.79	11,353	51	7.95
1961 ASM	5,649	74	1,973	2.53	.53	.78	10,309	55	7.01
1960 ASM	5,451	72	1,992	2.51	.54	.79	9,494	57	6.64
1959 ASM	5,460	75	1,977	2.53	.57	.81	10,360	53	6.99
1958 Census	5,074	74	1,926	2.42	.54	.77	10,018	51	7.07

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3511-- STEAM ENGINES AND TURBINES													
UNITED STATES	27	23	36.2	318.8	24.6	49.9	195.6	582.3	475.5	1 043.2	66.3	30.9	379.9
NORTHEAST REGION	20	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
MASSACHUSETTS	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	3	3	.6	4.5	.4	.9	2.8	9.5	5.7	15.2	.6	.4	4.9
MIDDLE ATLANTIC DIVISION	13	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PENNSYLVANIA	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	3	3	.3	2.5	.2	.4	1.5	5.1	3.3	8.8	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WISCONSIN	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3519-- INTERNAL COMBUSTION ENGINES, NEC													
UNITED STATES	155	96	63.7	500.8	47.5	97.2	344.6	1 015.8	1 091.5	2 093.2	97.6	55.7	733.6
NORTHEAST REGION	24	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	18	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	77	59	53.6	427.3	40.2	82.2	295.7	874.8	1 000.3	1 867.8	87.0	(D)	(D)
EAST NORTH CENTRAL DIVISION	63	48	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.6	97.3
MICHIGAN	21	15	10.6	98.6	7.7	16.8	66.9	262.1	266.8	533.7	24.0	12.7	183.0
WISCONSIN	24	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	14	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	6	6	1.1	6.9	.9	1.6	5.2	13.7	14.9	28.8	(D)	[2](D)	[2](D)
MISSOURI	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	23	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	11	6	.4	2.5	.3	.7	1.9	4.8	3.7	8.3	.2	(D)	(D)
OKLAHOMA	3	3	.2	1.1	.1	.3	.8	1.9	1.6	3.5	.1	[2](D)	[2](D)
TEXAS	8	3	.2	1.4	.2	.4	1.0	2.9	2.1	4.8	.1	[2](D)	[2](D)
WEST REGION	31	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MOUNTAIN DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	29	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	27	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	13.0

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3522-- FARM MACHINERY													
UNITED STATES	1 620	663	137.6	955.2	105.1	205.6	669.7	2 052.7	2 345.7	4 333.6	128.8	112.6	1 328.4
NORTHEAST REGION	104	33	5.6	42.4	3.4	7.7	23.5	96.4	73.0	166.2	4.3	5.3	72.3
NEW ENGLAND DIVISION	24	3	.3	1.6	.2	.4	1.2	3.4	3.1	6.4	(D)	.2	2.0
MIDDLE ATLANTIC DIVISION	80	30	5.3	40.8	3.2	7.3	22.3	92.9	70.0	159.8	(D)	5.1	70.2
NEW YORK	34	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	12	5	.3	1.8	.2	.5	1.2	4.2	3.6	7.4	.1	.2	1.8
PENNSYLVANIA	34	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	856	422	105.8	753.5	81.3	158.1	536.6	1 650.5	1 925.0	3 525.7	107.0	86.2	1 050.3
EAST NORTH CENTRAL DIVISION	407	220	64.4	470.4	49.0	96.0	335.2	1 034.1	1 283.2	2 289.5	68.2	52.9	645.9
OHIO	66	37	6.6	44.6	5.3	10.6	34.2	82.8	119.4	193.3	(D)	6.4	64.3
INDIANA	71	37	6.8	44.5	5.1	10.3	30.6	92.9	103.8	191.1	5.9	5.2	49.0
ILLINOIS	130	80	31.4	236.6	24.5	46.0	172.0	510.9	557.9	1 058.5	(D)	23.6	287.7
MICHIGAN	51	20	5.0	36.9	3.6	6.7	23.9	83.2	211.8	295.6	7.2	5.2	104.1
WISCONSIN	89	46	14.5	108.1	10.5	22.4	74.5	264.3	290.3	551.0	20.0	12.5	140.8
WEST NORTH CENTRAL DIVISION	449	202	41.4	282.8	32.3	62.2	201.4	616.3	641.8	1 236.2	38.8	33.3	404.5
MINNESOTA	81	46	6.0	39.6	4.7	9.4	27.4	88.7	95.2	181.8	5.5	5.5	61.8
IOWA	139	66	24.2	179.4	18.8	35.2	129.6	387.0	372.4	744.1	25.1	21.6	286.5
MISSOURI	47	17	3.4	20.8	2.7	5.3	15.2	51.6	60.7	112.7	2.1	2.1	15.2
NORTH DAKOTA	16	4	.4	1.7	.3	.7	1.4	3.0	3.4	6.2	.2	.4	2.6
SOUTH DAKOTA	11	4	.3	1.5	.2	.4	.9	4.0	2.8	6.7	.1	.2	2.2
NEBRASKA	63	26	3.2	18.8	2.6	5.6	14.3	40.5	61.4	100.1	3.4	1.6	17.3
KANSAS	92	39	3.9	21.1	2.9	5.5	12.4	41.4	45.9	84.6	2.5	2.0	18.9
SOUTH REGION	339	129	19.2	114.8	15.0	28.8	78.3	222.7	253.3	465.7	13.9	16.3	153.5
SOUTH ATLANTIC DIVISION	128	49	5.6	28.4	4.5	8.4	18.1	57.8	69.1	125.9	5.2	4.5	38.3
VIRGINIA	9	8	.6	2.7	.5	.9	2.0	5.3	4.8	10.2	.8	.5	5.4
WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	26	11	1.9	8.9	1.5	2.6	5.1	11.9	20.8	34.2	1.3	1.3	8.7
GEORGIA	40	13	2.0	10.2	1.7	3.2	7.1	23.8	27.8	49.6	2.7	1.7	14.1
FLORIDA	41	10	.6	3.4	.4	.9	2.0	7.4	7.9	14.9	.2	.4	4.2
EAST SOUTH CENTRAL DIVISION	72	31	10.1	68.6	7.9	15.1	49.3	134.0	146.1	271.7	6.7	9.2	92.3
KENTUCKY	9	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	22	8	2.9	22.0	2.2	3.9	14.7	34.0	27.9	59.4	(D)	2.7	36.2
ALABAMA	20	7	1.2	6.0	1.0	2.1	4.0	17.4	17.8	32.5	(D)	.9	9.0
MISSISSIPPI	21	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	139	49	3.5	17.8	2.7	5.3	11.0	30.9	38.1	68.2	2.0	2.6	22.9
ARKANSAS	22	10	.5	2.3	.4	.7	1.5	4.0	4.4	8.4	.1	.3	2.6
LOUISIANA[e]	14	6	.8	4.6	.6	1.1	2.4	5.2	11.6	16.9	.7	.5	4.0
OKLAHOMA	19	6	.5	2.3	.4	.8	1.7	5.8	4.4	9.6	.5	.4	3.4
TEXAS	84	27	1.7	8.7	1.3	2.6	5.4	15.9	17.6	33.3	.6	1.4	12.9
WEST REGION	319	77	5.7	36.0	4.3	8.4	24.0	72.0	71.9	142.3	3.4	4.9	52.3
MOUNTAIN DIVISION	85	24	1.5	9.2	1.2	2.4	6.1	18.5	19.1	36.9	1.0	1.1	10.3
IDAHO	28	9	.5	3.1	.4	1.0	2.2	5.5	7.2	12.4	.2	.3	2.4
COLORADO	28	9	.7	4.4	.5	1.0	2.7	8.6	8.2	16.6	.5	.4	4.8
UTAH	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.0
PACIFIC DIVISION	234	53	4.2	26.8	3.1	6.0	17.9	53.5	52.7	105.4	2.4	3.8	41.9
WASHINGTON	35	7	.5	3.0	.4	.7	2.2	5.7	6.7	12.0	.4	.3	3.4
OREGON	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	177	38	3.2	21.0	2.3	4.5	13.5	41.8	41.8	83.5	1.7	3.1	35.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - Less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Steam engines and turbines (SIC 3511)	Internal combustion engines, n.e.c. (SIC 3519)	Farm machinery (SIC 3522)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.83	.89	.92
COVERAGE RATIO[2]	.78	.83	.94
ESTABLISHMENTS, TOTAL .NUMBER	27	155	1 618
WITH 1 TO 19 EMPLOYEES .DO	4	59	957
WITH 20 TO 99 EMPLOYEES .DO	5	40	450
WITH 100 EMPLOYEES OR MORE .DO	18	56	211
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	36.2	63.7	136.3
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	318.8	500.8	946.7
PRODUCTION WORKERS:			
AVERAGE FOR YEAR 1,000	24.6	47.5	104.0
MARCH .DO	24.0	48.0	110.3
MAY .DO	24.3	47.2	108.1
AUGUST .DO	24.9	46.0	98.9
NOVEMBER .DO	25.1	48.8	98.8
MAN-HOURS .MILLIONS	49.9	97.2	203.2
JANUARY-MARCH .DO	12.3	25.4	57.1
APRIL-JUNE .DO	12.7	24.7	54.7
JULY-SEPTEMBER .DO	11.8	21.9	45.5
OCTOBER-DECEMBER .DO	13.1	25.2	45.9
WAGES MILLION DOLLARS	195.6	344.6	662.3
COST OF MATERIALS, ETC., TOTAL .DO	475.5	1 091.5	2 323.2
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	432.2	1 042.6	2 173.4
COST OF RESALES .DO	14.8	28.5	91.0
FUELS CONSUMED .DO	6.2	5.6	17.8
PURCHASED ELECTRIC ENERGY .DO	4.1	8.9	14.0
CONTRACT WORK .DO	18.2	5.9	27.0
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	1 043.2	2 093.2	4 299.9
VALUE OF RESALES .DO	16.8	43.5	124.5
VALUE ADDED BY MANUFACTURE .DO	582.3	1 015.8	2 041.5
MANUFACTURERS' INVENTORIES:			
BEGINNING OF YEAR, TOTAL .DO	293.1	394.7	904.1
FINISHED PRODUCTS .DO	29.6	106.3	330.4
WORK IN PROCESS .DO	213.4	209.7	308.8
MATERIALS, SUPPLIES, FUEL, ETC. .DO	50.1	78.7	264.9
END OF YEAR, TOTAL .DO	314.2	414.1	994.6
FINISHED PRODUCTS .DO	29.9	107.3	381.7
WORK IN PROCESS .DO	227.6	222.9	321.9
MATERIALS, SUPPLIES, FUEL, ETC. .DO	56.7	83.9	291.0
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	68.0	99.3	134.1
NEW PLANT AND EQUIPMENT, TOTAL .DO	66.3	97.6	128.5
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	17.6	29.6	35.2
NEW MACHINERY AND EQUIPMENT .DO	48.7	68.0	93.3
USED PLANT AND EQUIPMENT .DO	1.7	1.6	5.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3511-- STEAM ENGINES AND TURBINES											
ESTABLISHMENTS, TOTAL	27	36.2	318.8	24.6	49.9	195.6	582.3	475.6	1 043.2	66.3	314.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	4	.2	1.9	.1	.4	1.3	2.9	2.3	5.3	[2]7.7	1.2
20 TO 49 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	5	.8	5.8	.5	1.1	3.5	13.8	7.3	20.9	1.0	3.4
250 TO 499 EMPLOYEES	2	2.5	19.9	1.6	3.5	12.1	35.3	21.3	56.3	3.7	20.7
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	4	6.1	53.5	3.9	8.0	28.1	125.5	135.5	251.7	10.0	62.5
2,500 EMPLOYEES OR MORE	5	26.7	237.7	18.3	37.0	150.7	404.7	309.2	709.0	43.8	226.5
3519-- INTERNAL COMBUSTION ENGINES, NEC											
ESTABLISHMENTS, TOTAL	155	63.7	500.8	47.5	97.2	344.6	1 015.8	1 019.5	2 093.2	97.6	414.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	31	(Z)	.4	(Z)	.1	.3	.8	.8	1.6	[2](Z)	.3
5 TO 9 EMPLOYEES	13	.1	.7	.1	.1	.5	1.0	1.4	2.5	.1	.4
10 TO 19 EMPLOYEES	15	.2	1.4	.2	.3	1.0	2.7	2.9	5.5	.1	.9
20 TO 49 EMPLOYEES	20	.6	4.0	.4	.9	2.7	6.3	5.4	11.5	.6	1.3
50 TO 99 EMPLOYEES	20	1.5	9.3	1.1	2.4	6.3	18.5	27.7	47.0	1.1	9.6
100 TO 249 EMPLOYEES	15	2.2	14.4	1.7	3.6	10.4	41.0	49.9	89.4	3.3	24.3
250 TO 499 EMPLOYEES	11	4.2	30.8	2.9	6.1	19.7	60.3	76.3	131.2	3.0	37.6
500 TO 999 EMPLOYEES	9	5.9	40.0	4.7	9.4	31.2	96.1	128.6	220.0	6.7	46.2
1,000 TO 2,499 EMPLOYEES	17	27.5	215.8	20.0	40.6	147.6	397.2	429.2	821.9	36.6	175.6
2,500 EMPLOYEES OR MORE	4	21.4	184.1	16.3	33.7	125.0	391.7	369.2	762.6	46.0	117.9
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	29	(Z)	.3	(Z)	.1	.2	.7	.7	1.4	(Z)	.3
3522-- FARM MACHINERY											
ESTABLISHMENTS, TOTAL	1 618	136.3	946.7	104.0	203.2	662.3	2 041.5	2 323.2	4 299.9	128.5	994.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	562	.9	4.8	.9	1.5	3.5	12.2	12.8	24.9	[2].5	6.4
5 TO 9 EMPLOYEES[e]	170	1.1	6.2	1.0	1.8	4.5	12.5	13.2	25.6	.6	5.4
10 TO 19 EMPLOYEES	225	3.1	17.3	2.4	4.9	12.0	35.6	38.8	73.1	1.8	14.0
20 TO 49 EMPLOYEES	307	9.8	55.8	7.6	15.2	37.7	113.2	126.3	234.5	6.0	47.5
50 TO 99 EMPLOYEES	143	10.2	58.3	7.8	15.9	37.8	115.1	134.8	244.0	6.3	56.8
100 TO 249 EMPLOYEES	122	19.1	109.0	14.5	29.8	71.8	239.2	270.1	503.0	13.0	124.6
250 TO 499 EMPLOYEES	43	14.3	91.7	10.4	21.4	60.1	200.6	255.8	447.1	15.7	111.5
500 TO 999 EMPLOYEES	17	12.0	89.6	8.7	18.0	60.6	194.4	272.0	452.1	15.8	118.5
1,000 TO 2,499 EMPLOYEES	23	36.6	278.0	27.7	52.1	197.3	603.9	655.6	1 240.6	30.4	340.5
2,500 EMPLOYEES OR MORE	6	29.2	235.9	23.1	42.6	177.0	514.9	543.8	1 054.8	38.3	169.2
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	537	1.2	5.8	1.1	1.8	4.2	13.3	14.2	27.5	.5	7.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. [e] For 1967, over 30 percent of the data for this line was estimated. (X) Not applicable. (NA) Not available. (Z) Under 50 thousand (or under 50 employees).

[1] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2] Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3511	Steam engines and turbines.....1967..	1,043.2	829.9	168.6	44.7	83	1,059.3	829.9	229.4	78
	1963..	616.4	485.5	87.7	43.2	85	589.1	485.5	103.6	82
3519	Internal combustion engines, n.e.c.....1967..	2,093.2	1,813.4	213.0	66.8	89	2,187.6	1,813.4	374.2	83
	1963..	1,473.6	1,210.3	196.9	66.3	86	1,423.9	1,210.3	213.6	85
3522	Farm machinery.....1967..	4,299.9	3,826.5	318.9	154.5	92	4,077.3	3,826.5	250.8	94
	1963..	2,842.2	2,412.4	307.9	122.0	89	2,542.1	2,412.4	129.7	95

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Steam engines and turbines (SIC 3511)	Internal combustion engines, n.e.c. (SIC 3519)	Farm machinery (SIC 3522)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	1,043.2	2,093.2	4,299.9	(X)
3511-	Steam engines and turbines.....	1,059.3	829.9	0.3	-	229.1
35111	Steam, gas, and hydraulic turbine generator set units and parts.....	714.5	829.9	0.3	-	-
35112	Steam, gas, and hydraulic turbines and parts.....	344.7			-	229.1
3519-	Internal combustion engines, n.e.c.....	2,187.6	-	1,813.4	25.2	349.0
35191	Gasoline engines under 11 hp. except aircraft, automobile, truck, bus, and tank.....	215.5	-	202.4	0.1	13.0
35192	Gasoline engines 11 hp. and over, except aircraft, automobile, truck, bus, and tank.....	171.4	-	128.4	15.5	27.5
35193	Diesel engines (except for trucks and buses).....	447.9	-	351.8	(D)	(D)
35194	Diesel engines (for trucks and buses).....	233.2	-	(D)	-	(D)
35196	Gas engines (except gas turbines).....	22.6	-	13.4	(D)	(D)
35195	Outboard motors.....	267.1	-	238.9	(D)	(D)
35197	Tank and converted internal combustion engines.....					
35199	Parts and accessories for internal combustion engines...	816.0	-	681.3	(D)	(D)
35190	Internal combustion engines, n.e.c., n.s.k.....	13.9	-	(D)	-	(D)
3522-	Farm machinery.....	4,077.3	-	(20-50)	3,826.5	(200-500)
35221	Wheel tractors and attachments (except contractors' off-highway type, garden tractors, and motor tillers)..	1,040.2	-	-	968.9	71.3
35222	Farm dairy machines, sprayers and dusters, farm elevators, farm blowers, garden tractors and motor tillers.....	339.8	-	-	325.6	14.2
35223	Planting, seeding, and fertilizing machinery.....	183.0	-	-	177.4	5.6
35224	Plows, listers, harrows, rollers, pulverizers, stalk cutters, and similar equipment.....	281.1	-	-	272.3	8.8
35225	Harvesting machinery.....	580.7	-	-	575.7	5.0
35226	Haying machinery.....	148.8	-	-	148.6	0.2
35227	Lawnmowers and snowblowers.....	388.5	-	(D)	340.4	(D)
35228	All other farm machinery and equipment.....	403.9	-	-	380.0	23.9
35229	Parts for farm machinery and equipment, for sale separately.....	554.7	-	(D)	483.3	(D)
35220	Farm machinery, n.s.k.....	156.6	-	-	154.2	2.4

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Steam engines and turbines (SIC 3511)	Internal combustion engines, n.e.c. (SIC 3519)	Farm machinery (SIC 3522)	Other industries
	Other product shipments by 4-digit product group					
1929-	Ammunition, except for small arms, n.e.c.	(X)	-	-	(over 2)	(X)
2514-	Metal household furniture	(X)	-	-	(2-5)	(X)
2599-	Furniture and fixtures, n.e.c.	(X)	-	(under 2)	(2-5)	(X)
3321-	Gray iron castings	(X)	-	4.0	26.9	(X)
3362-	Brass, bronze, and copper castings	(X)	(2-5)	-	(under 2)	(X)
3391-	Iron and steel forgings	(X)	(under 2)	-	(over 2)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	(20-50)	(under 2)	3.2	(X)
3451-	Screw machine products	(X)	(under 2)	(5-10)	-	(X)
3452-	Bolts, nuts, rivets, and washers	(X)	-	-	(2-5)	(X)
3461-	Metal stampings	(X)	-	(under 2)	4.0	(X)
3481-	Miscellaneous fabricated wire products	(X)	-	(under 2)	2.0	(X)
3494-	Valves and pipe fittings	(X)	(5-10)	-	(under 2)	(X)
3498-	Fabricated pipe and fittings	(X)	-	-	(2-5)	(X)
3499-	Fabricated metal products, n.e.c.	(X)	-	-	(2-5)	(X)
3531-	Construction machinery	(X)	(under 2)	(5-10)	57.4	(X)
3537-	Industrial trucks and tractors	(X)	-	-	(10-20)	(X)
3542-	Machine tools, metal-forming types	(X)	(5-10)	-	-	(X)
3548-	Metalworking machinery, n.e.c.	(X)	-	-	(5-10)	(X)
3551-	Food products machinery	(X)	-	-	6.3	(X)
3553-	Woodworking machinery	(X)	-	(over 2)	(5-10)	(X)
3561-	Pumps and compressors	(X)	(10-20)	13.1	(5-10)	(X)
3566-	Power transmission equipment	(X)	(5-10)	0.4	(under 2)	(X)
3569-	General industrial machinery, n.e.c.	(X)	(under 2)	-	(5-10)	(X)
3599-	Miscellaneous machinery, except electrical	(X)	-	(2-5)	2.3	(X)
3621-	Motors and generators	(X)	(20-50)	49.9	(under 2)	(X)
3631-	Household cooking equipment	(X)	-	-	(2-5)	(X)
3642-	Lighting fixtures	(X)	-	-	(over 2)	(X)
3643-	Current carrying wiring devices	(X)	-	-	(over 2)	(X)
3711-	Motor vehicles	(X)	-	(2-5)	-	(X)
3713-	Truck and bus bodies	(X)	-	-	(2-5)	(X)
3714-	Motor vehicle parts and accessories	(X)	-	36.6	17.7	(X)
3722-	Aircraft engines and engine parts	(X)	(5-10)	9.0	-	(X)
3729-	Aircraft equipment, n.e.c.	(X)	(over 2)	(2-5)	(2-5)	(X)
3732-	Boat building and repairing	(X)	-	(over 2)	(under 2)	(X)
3741-	Locomotives and parts	(X)	(over 2)	(over 2)	-	(X)
3799-	Transportation equipment n.e.c.	(X)	-	(over 2)	30.6	(X)
3842-	Surgical appliances and supplies	(X)	-	-	(over 2)	(X)
3943-	Children's vehicles, except bicycles	(X)	-	-	(5-10)	(X)
	Other secondary products[1]	(X)	168.6	99.7	143.3	(X)
	Miscellaneous receipts	(X)	44.7	66.8	154.5	(X)
93000	Contract work	(X)	4.8	5.2	12.3	(X)
99980	Sales of scrap and refuse	(X)	0.8	11.3	6.8	(X)
99980	Receipts for installation or construction	(X)	2.9	0.7	1.5	(X)
99980	Receipts for research and development work	(X)	0.3		0.2	(X)
99980	Receipts for repair work	(X)	7.1	3.4	9.2	(X)
99980	Other miscellaneous receipts	(X)	12.0	2.7		(X)
99989	Resales	(X)	16.8	43.5	124.5	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary product	
3511-	1911 Guns, howitzers, and mortars	(over 2)
3511-	3561 Pumps and compressors	18.8
3511-	3621 Motors and generators	43.7
3511-	3722 Aircraft engines and engine parts	72.8
3511-	3729 Aircraft equipment, n.e.c.	69.8
3511-	3731 Ship building and repairing	(over 2)
3519-	3443 Fabricated platework (boiler shops)	3.3
3519-	3531 Construction machinery	113.0
3519-	3532 Mining machinery	(over 2)
3519-	3553 Woodworking machinery	(10-20)
3519-	3561 Pumps and compressors	36.8
3519-	3621 Motors and generators	4.9
3519-	3679 Electronic components, n.e.c.	(over 2)
3519-	3714 Motor vehicle parts and accessories	74.1
3519-	3722 Aircraft engines and engine parts	30.3
3519-	3732 Boat building and repairing	(5-10)
3519-	3741 Locomotives and parts	(over 2)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary product--Con.	
3522-	1931 Tanks and tank components	(over 2)
3522-	3321 Gray iron foundries	4.4
3522-	3391 Iron and steel forgings	(over 2)
3522-	3433 Heating equipment except electric	2.5
3522-	3444 Sheet metalwork	3.3
3522-	3449 Miscellaneous metalwork	(2-5)
3522-	3461 Metal stampings	9.2
3522-	3531 Construction machinery	95.5
3522-	3544 Special dies, tools, jigs, and fixtures	(over 2)
3522-	3548 Metalworking machinery, n.e.c.	14.0
3522-	3551 Food products machinery	4.8
3522-	3553 Woodworking machinery	4.4
3522-	3561 Pumps and compressors	4.3
3522-	3634 Electric housewares and fans	12.8
3522-	3711 Motor vehicles	(10-20)
3522-	3714 Motor vehicle parts and accessories	21.5
3522-	3799 Transportation equipment, n.e.c.	5.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Includes, where appropriate, values for these 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers					
		1967			1963		
		Number of units	Total	Value (million dollars)	Number of units	Total	Value (million dollars)
			Generating capacity (1,000 kw)			Generating capacity (1,000 kw)	
3511- --	STEAM ENGINES AND TURBINES, TOTAL	(X)	(X)	1,059.3	(X)	(X)	589.1
35111 --	Steam, gas, and hydraulic turbine generator set units and parts	(X)	(X)	714.5	(X)	(X)	[1]589.1
	Steam turbine generator sets:						
35111 13	Under 33,000 kw						
35111 19	33,000 to 49,999 kw						
35111 21	50,000 to 99,999 kw				372	17,533.0	289.0
35111 24	100,000 to 199,999 kw						
35111 35	200,000 kw and over						
35111 41	Hydraulic turbine generator sets (all sizes)	(X)	(X)	714.5	(X)	(X)	
35111 50	Gas turbine generator sets				(X)	(X)	[2]146.7
35111 51	Parts for generator set units (steam, gas, and hydraulic)				(X)	(X)	
			Horsepower capacity (1,000 hp.)			Horsepower capacity (1,000 hp.)	
35112 --	Steam, gas, and hydraulic turbines and parts	(X)	(X)	344.7	(X)	(X)	([1])
	Mechanical drive steam turbines and gear turbines, including the value of the gear:						
35112 03	Marine and Navy	390	2,018.8	69.5	343	1641.0	46.8
	Number shipped by horsepower capacity (rated or normal):						
35112 05	Under 50 hp						
35112 06	50 to 499 hp						
35112 07	500 to 999 hp	321	(X)	(X)	343	(X)	(X)
35112 08	1,000 to 9,999 hp						
35112 09	10,000 hp. and over	69	(X)	(X)			
35112 13	Land	5,445	2,155.3	43.2	2,375	981.0	18.2
	Number shipped by horsepower capacity (rated or normal):						
35112 15	Under 50 hp	1,570	(X)	(X)	895	(X)	(X)
35112 16	50 to 499 hp	3,310	(X)	(X)	1,074	(X)	(X)
35112 17	500 to 999 hp	339	(X)	(X)	224	(X)	(X)
35112 18	1,000 to 9,999 hp	226	(X)	(X)	172	(X)	(X)
35112 19	10,000 hp. and over				10	(X)	(X)
35112 61	Hydraulic turbines (all sizes)	51	(NA)	30.4	([2])	([2])	([2])
35112 71	Parts and accessories for hydraulic turbines	(X)	(X)	13.3	(X)	(X)	([2])
35112 72	Parts and accessories for steam engines and steam turbines	(X)	(X)	27.5	(X)	(X)	16.0
	Gas turbines (except aircraft):						
35112 75	Under 10,000 hp	3,447	(NA)	116.7	1,333	(NA)	61.6
35112 77	10,000 hp. and over						
35112 81	Parts and accessories for gas turbines (except aircraft)	(X)	(X)	43.9	(X)	(X)	10.7

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 of engines)	Value (million dollars)	Quantity (1,000 of engines)	Value (million dollars)
3519- --	INTERNAL COMBUSTION ENGINES, N.E.C., TOTAL	(X)	2,187.6	(X)	1,423.9
35191 00	Gasoline engines, under 11 horsepower, except outboard, aircraft, automobile, truck, bus, and tank:				
	As reported in the census of manufactures[3]	(X)	[4]215.5	(X)	[5]270.1
	As reported on Census annual Form MA-35L[3]	[5]8,378.6	[4] [5]419.8	[5]6,285.0	[5]267.4
35192 00	Gasoline engines, 11 horsepower and over, except outboard, aircraft, automobile, truck, bus, and tank:				
	As reported in the census of manufactures[3]	(X)	[4]171.4	(X)	([5])
	As reported on Census annual Form MA-35L[3]	([5])	([5])	([5])	([5])

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 of engines)	Value (million dollars)	Quantity (1,000 of engines)	Value (million dollars)
3519- --	INTERNAL COMBUSTION ENGINES, N.E.C., TOTAL--Continued				
35193 00	Diesel engines (except for trucks and buses):[6]				
	As reported in the census of manufactures[3]	(X)	447.9	(X)	298.9
	As reported on Census annual Form MA-35L[3]	163.3	439.7	108.5	289.2
35194 00	Diesel engines (for trucks and buses):[6]				
	As reported in the census of manufactures[3]	(X)	233.2	65.1	165.5
	As reported on Census annual Form MA-35L[3]	(X)	233.7	(NA)	(NA)
35196 00	Gas engines (except gas turbines):				
	As reported in the census of manufactures[3]	(X)	22.6	(X)	22.1
	As reported on Census annual Form MA-35L[3]	10.2	21.9	6.3	22.3
35195 --	Outboard motors	(X)	267.1	(X)	[6]183.8
35197 --	Tank and converted internal combustion engines[7]				
35199 15	Parts and accessories for internal combustion engines (except aircraft, and automotive engines and gas turbines)	(X)	816.0	(X)	480.6
35190 00	Internal combustion engines, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	12.5	(X)	2.9
35190 02	Internal combustion engines, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	1.4		

	Product	1967			1963		
		Production for all purposes (1,000 units)	Total shipments, including interplant transfers		Production for all purposes (1,000 units)	Total shipments, including interplant transfers	
			Quantity (1,000 units)	Value (million dollars)		Quantity (1,000 units)	Value (million dollars)
3522- --	FARM MACHINERY, TOTAL	(X)	(X)	4,077.3	(X)	(X)	2,542.1
35221 --	Wheel tractors and attachments (except contractors' off-highway type, garden tractors, and motor tillers):						
	As reported in the census of manufactures[3]	(X)	(X)	1,040.2	(X)	(X)	[8 9]808.4
	As reported on Census annual Form MA-35T[3]	(X)	(X)	1,019.6	(X)	(X)	[8]770.7
35222 --	Farm dairy machines, sprayers and dusters, farm elevators, farm blowers, garden tractors, and motor tillers:						
	As reported in the census of manufactures[3]	(X)	(X)	339.8	(X)	(X)	[8 10]405.9
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	315.5	(X)	(X)	[8 10]404.1
35223 --	Planting, seeding, and fertilizing machinery:						
	As reported in the census of manufactures[3]	(X)	(X)	183.0	(X)	(X)	[8]115.7
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	151.2	(X)	(X)	[8]111.9
35224 --	Plows, listers, harrows, rollers, pulverizers stalk cutters, and similar equipment:						
	As reported in the census of manufactures[3]	(X)	(X)	281.1	(X)	(X)	[8]192.8
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	260.9	(X)	(X)	[8]191.6
35225 --	Harvesting machinery:						
	As reported in the census of manufactures[3]	(X)	(X)	580.7	(X)	(X)	[8]395.3
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	538.2	(X)	(X)	[8]386.0
35226 --	Haying Machinery:						
	As reported in the census of manufactures[3]	(X)	(X)	148.8	(X)	(X)	[8]133.8
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	144.9	(X)	(X)	[8]131.8
35227 --	Lawnmowers and snow blowers, total	(X)	(X)	388.5	(X)	(X)	268.7
35227 11	Hand (reel type) lawnmowers	(NA)	(NA)	7.7	458.9	497.2	7.4
	Power lawnmowers:						
	Reel type:						
35227 23	Nonriding	268.2	266.7	18.9	387.7	412.3	24.6
35227 25	Integral riding, with fixed or floating mower	(NA)	(NA)	6.6	7.3	6.6	3.1
	Rotary type:						
35227 41	Hand traction	3,179.4	3,125.4	145.3	2,465.6	2,396.4	98.6
	Power traction:						
35227 53	Nonriding	723.7	712.8	52.5	585.3	571.2	32.3
35227 55	Integral riding, with fixed or floating mower	359.3	366.2	73.2	259.5	262.2	40.4

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	1967			1963		
		Production for all purposes	Total shipments, including interplant transfers		Production for all purposes	Total shipments, including interplant transfers	
			Quantity	Value		Quantity	Value
		(1,000 units)	(1,000 units)	(million dollars)	(1,000 units)	(1,000 units)	(million dollars)
3522- --	FARM MACHINERY--Continued						
35227 --	Lawnmowers and snow blowers--Continued						
35227 61	Snow blowers and snow throwers, single purpose residential only (excluding large commercial type units)	235.9	241.7	34.1			
35227 81	Other, including gang-cutting units, sickle-bar mowers shipped as complete units, lawn edgers, and special cutting units	(X)	(X)	19.3	(X)	(X)	[11]57.7
35227 91	Attachments for lawnmowers, snow blowers, and similar equipment.	(X)	(X)	19.3			
35227 00	Lawnmowers and snow blowers, n.e.c.	(X)	(X)	11.6	(X)	(X)	4.6
35228 --	All other farm machinery and equipment, total	(X)	(X)	403.9	(X)	(X)	([10])
	Products included in the census of manufactures:						
35228 10, 20, 30, 40, 50	As reported in the census of manufactures[3]	(X)	(X)	291.9	(X)	(X)	([10])
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	310.2	(X)	(X)	([10])
35228 87	Hedge trimmers and shears, power	(X)	700.5	10.3	(X)	113.4	3.0
35228 61	Windmill heads and windmill towers	(X)	(X)	90.8	(X)	(X)	2.3
35228 98	Other farm machines, equipment and attachments				(X)	(X)	132.2
35228 00	All other farm machinery and equipment, n.s.k.	(X)	(X)	10.9	(X)	(X)	13.0
35229 --	Parts for farm machinery and equipment, for sale separately, total.	(X)	(X)	554.7			
	Products included in the census of manufactures and on Form MA-35A:						
35229 41, 51, 61, 71, 98	As reported in the census of manufactures[3]	(X)	(X)	175.1			
	As reported on the Census annual Form MA-35A[3]	(X)	(X)	164.4			
	Replacement and repair parts for wheel tractors:				(X)	(X)	([8])
35229 25	As reported in the census of manufactures[3]	(X)	(X)	169.2			
	As reported on the Census annual Form MA-35T[3]	(X)	(X)	178.9			
	Parts sold to plants producing farm equipment (original equipment):						
35229 11	Parts for farm machinery (except wheel tractors)	(X)	(X)	75.9			
35229 21	Parts for wheel tractors	(X)	(X)	97.9			
35229 31	Replacement and repair parts for lawnmowers and snow blowers	(X)	(X)	25.2			
35229 00	Parts for farm machinery and equipment, for sale separately, n.s.k.	(X)	(X)	11.4			
35220 00	Farm machinery, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	(X)	130.0	(X)	(X)	71.5
35220 02	Farm machinery, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	(X)	26.6			

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Data for product classes 3511, "steam, gas, and hydraulic turbine generator set units and parts" and 35112, "steam, gas, and hydraulic turbines and parts" are combined for 1963.

[2]1963 data for hydraulic turbines and parts and accessories for hydraulic turbines are included with hydraulic turbine generator sets, gas turbine generator sets and parts for generator set units.

[3]For these products, data were also collected in the census annual commodity survey program. In lieu of asking for detailed statistics on these products in the census of manufactures, respondents were asked to report only value of shipments for specified products or classes of products for which separate figures had previously been collected on the annual form. In most cases, the value figures reported in the census of manufactures for each product or class of products agreed closely with the corresponding figures reported in the annual survey. However, there were some differences between the census figures and the annual survey figures. These variations were due primarily to the following reasons:

a. Use of different reporting periods (calendar year vs. fiscal year).
b. Use of different bases for reporting value (company sales vs. factory production).
c. Use of estimates in reporting data on the annual survey whereas census of manufactures figures generally represent more exact shipments figures.

See tables 6A-2 to 6A-8 for detailed product data.

[4]1967 data on Census annual form MA-35L include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive uses. Such automotive gasoline engines are included with automotive parts and accessories (product class 37141) in the 1967 Census of Manufactures. Engines after conversion to nonautomotive uses are included in product class 35197.

[5]Product codes 3519100, "gasoline engines under 11 hp., etc." and 3519200, "gasoline engines, 11 hp. and over, etc." are combined.

[6]For 1967, dual-fuel engines are included with diesel engines. For 1963, dual-fuel engines are included in product class 35197.

[7]Includes engines converted from purchased engines or from engines received from another plant of the same company.

[8]In 1963, parts were included with the individual product classes, whereas, in 1967 parts are included in a separate product class, 35229.

[9]Includes parts valued at $65.2 which were sold to plants producing wheel tractors.

[10]1963 data for product class 35228 are included with product class 35222.

[11]Includes parts for lawnmowers.

TABLE 6A-2. Gasoline Engines (35191 and 35192), by Horsepower Rating: 1967 and 1963

Size group	Total engines[1] (number)	Total shipments and interplant transfers: Quantity (number)	Total shipments and interplant transfers: Value f.o.b. plant ($1,000)	Shipments to other companies: Quantity (number)	Shipments to other companies: Value f.o.b. plant ($1,000)	Interplant tranfsers: Quantity (number)	Interplant tranfsers: Value f.o.b. plant ($1,000)	Produced and incorporated into products at the same establishment[2] (number)
	1967							
HORSEPOWER RATING, TOTAL[3]	9,102,403	8,363,706	419,824	8,120,218	370,466	243,488	49,358	738,697
Under 2, 2.0 to 2.9, 3.0 to 3.9, 4.0 to 4.9, 5.0 to 5.9, 6.0 to 6.9, and 7.0 to 7.9	8,257,572			7,407,256	184,363			
8.0 to 8.9 and 9.0 to 9.9				136,340	11,463			
10.0 to 10.9	494,546	8,045,293	256,176	173,103	17,081	165,942	4,883	706,825
11 to 14				110,757	14,157			
15 to 20				51,895	24,229			
21 to 25, 26 to 30, 31 to 35, 36 to 40, 41 to 45, and 46 to 50	78,549	62,370	24,087	55,793	21,156	6,577	2,931	16,179
51 to 60	76,308	63,692	30,653	36,206	13,744	13,452	9,113	12,616
61 to 70				14,034	7,796			
71 to 80 and 81 to 90		30,681	17,087	10,709	5,834	19,972	11,253	
91 to 100	119 347	28,391	16,303	14,906	6,736	13,485	9,567	1 919
101 to 150		58,356	22,716	50,590	19,535	7,766	3,181	
151,to 200	37,281			33,113	14,327			
201 to 300	38,800	74,923	52,802	20,759	15,415	16,294	8,430	1,158
301 and over				4,757	14,630			
PISTON DISPLACEMENT (cubic inches), TOTAL[3]	9,102,403	8,363,706	419,824	8,120,218	370,466	243,488	49,358	738,697
Under 4.0, 4.0 to 5.9, 6.0 to 8.9, 9.0 to 10.9, 11.0 to 15.9, and 16.0 to 20.9	8,289,214	7,875,367	218,814	7,461,308	187,581	163,577	4,488	679,087
21 to 25	265,240			250,482	26,745			
26 to 30		88,364	9,104	88,364	9,104	-	-	
31 to 40 and 41 to 50	185,555			37,691	11,873			41,540
51 to 75		134,346	47,030	29,462	8,102	5,243	1,616	
76 to 100, 101 to 125, and 126 to 150	78,695			61,950	25,439			
151 to 175		79,670	28,499	72,650	25,657	7,020	2,842	
176 to 200 and 201 to 225	164,996			14,366	5,269			14,838
226 to 250		70,488	32,617	36,843	16,392	19,279	10,956	
251 to 300		51,324	24,217	27,858	12,218	23,466	11,999	
301 to 350	95,479			17,602	8,512			
351 to 400		59,831	40,503	6,689	5,606	24,903	17,457	3,232
401 to 500	23,224			10,637	8,928			
501 and over		4,316	19,040	4,316	19,040	-	-	
	1963							
HORSEPOWER RATING, TOTAL[3]	6,861,638	6,284,999	267,430	6,077,809	235,207	207,190	32,223	576,639
Under 3	3,023,571	3,003,302	60,355					20,269
3.0 to 4.9	2,895,182	2,495,853	60,262					399,329
5.0 to 5.9	198,157	156,951	9,193					41,206
6.0 to 6.9		157,206	8,735					
7.0 to 7.9	423,612	107,363	9,161					43,411
8.0 to 10.9		115,632	11,724	5,973,552	177,469	140,537	4,258	
11 to 20	34,613	27,868	6,367					6,745
21 to 25		20,587	7,029					-
26 to 30	69,026							
31 to 35		14,759	5,045					19,112
36 to 40		14,568	3,856					
41 to 50	53,668	35,613	10,202	32,425	9,120	3,188	1,082	18,055
51 to 60	35,180	24,877	9,041	7,084	2,467	17,793	6,574	10,303
61 to 70	54,006	13,456	4,823	30,362	11,670	10,471	3,324	13,173
71 to 80		27,377	10,171					
81 to 90	20,537	19,201	9,116	6,223	3,462	12,978	5,654	1,336
91 to 100		2,338	1,119	14,580	13,197	10,481	3,333	
101 to 150	54,086	22,723	15,411					3,700
151 to 200		13,664	9,914	13,583	17,822	11,742	7,998	
201 and over		11,661	15,906					
PISTON DISPLACEMENT (cubic inches), TOTAL[3]	6,861,638	6,284,999	267,430	6,077,809	235,207	207,190	32,223	576,639
Under 6	5,898,169	338,234	10,340					468,946
6.0 to 10.9		5,090,989	109,716					
11 to 15	610,230	321,485	13,023					28,866
16 to 30		259,879	20,191	5,951,898	170,752	143,145	4,018	
31 to 50	66,830	28,612	6,767					12,486
51 to 75		25,732	5,957					
76 to 125	44,766	30,112	8,776					14,654
126 to 150	49,963	27,988	8,017	22,280	6,059	5,708	1,958	21,975

See footnotes at end of table.

TABLE 6A-2. Gasoline Engines (35191 and 35192), by Horsepower Rating: 1967 and 1963—Continued

Size group	Total engines[1] (number)	Total shipments and interplant transfers: Quantity (number)	Total shipments and interplant transfers: Value f.o.b. plant ($1,000)	Shipments to other companies: Quantity (number)	Shipments to other companies: Value f.o.b. plant ($1,000)	Interplant transfers: Quantity (number)	Interplant transfers: Value f.o.b. plant ($1,000)	Produced and incorporated into products at the same establishment[2] (number)
PISTON DISPLACEMENT (cubic inches)--Continued	1963--Continued							
151 to 175	89,974	43,592	12,866	42,816	12,994	9,282	2,686	14,850
176 to 200		8,506	2,814					
201 to 225		23,026	10,471	6,516	3,113	16,510	7,358	
226 to 250	36,296	28,726	12,532	21,837	9,333	6,889	3,199	7,570
251 to 300		28,495	15,525	8,068	5,091	20,427	10,434	
301 to 350	65,410	12,198	8,451	9,522	7,382	2,676	1,069	7,292
351 to 500		14,033	13,186	14,872	20,483	2,553	1,501	
501 and over		3,392	8,798					

Note: For 1967, horsepower is defined as "maximum published horsepower rating at maximum recommended r.p.m.", whereas for 1963 horsepower was defined as "maximum brake horsepower at recommended operating range r.p.m."

Source: Current Industrial Reports Series M35L, Internal Combustion Engines.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Represents total number of engines shipped and produced and incorporated into products of the same company.

[2] Represents engines produced and incorporated (in the same plant) into products such as construction machinery; farm machinery; tractors; engine-generator sets; and other products.

[3] Data for 1967 include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive uses. Data on these types of shipments were not requested in 1963.

TABLE 6A-3. Nonautomotive Diesel Engines (35193), by Horsepower Rating: 1967 and 1963

Size group	Total engines[1] (number)	Total shipments and interplant transfers: Quantity (number)	Total shipments and interplant transfers: Value f.o.b. plant ($1,000)	Shipments to other companies: Quantity (number)	Shipments to other companies: Value f.o.b. plant ($1,000)	Interplant transfers: Quantity (number)	Interplant transfers: Value f.o.b. plant ($1,000)	Produced and incorporated into products at the same establishment[2] (number)
	1967							
HORSEPOWER RATING, TOTAL[3]	[4]252,452	[4]163,319	[4]439,684	82,162	276,838	81,157	162,846	[4]89,133
Under 6, 6 to 10, 11 to 20, 21 to 30								
31 to 40, and 41 to 50	(D)	29,424	26,469	4,519	3,974	18,427	15,043	(D)
51 to 70				6,478	7,452			
71 to 100	122,689	24,257	27,057	8,203	8,517	16,054	18,540	46,885
101 to 150		51,547	88,840	20,377	35,105	31,170	53,735	
151 to 200		25,713	69,315	11,201	27,397	6,280	16,167	
201 to 250				8,232	25,751			
251 to 300		11,787	46,265	7,409	30,621	4,378	15,644	
301 to 350 and 351 to 400		11,401	58,366	9,054	46,676	2,347	11,690	
401 to 450 and 451 to 500				394	3,939			(D)
501 to 600	(D)			3,922	33,390			
601 to 700 and 701 to 800		9,190	123,372	1,448	18,335	2,501	32,027	
801 to 900 and 901 to 1,000				146	3,398			
1,001 to 1,500				654	16,819			
1,501 and over				125	15,464			

See footnotes at end of table.

TABLE 6A-3. Nonautomotive Diesel Engines (35193), by Horsepower Rating: 1967 and 1963—Continued

Size group	Total engines [1] (number)	Total shipments and interplant transfers: Quantity (number)	Total shipments and interplant transfers: Value f.o.b. plant ($1,000)	Shipments to other companies: Quantity (number)	Shipments to other companies: Value f.o.b. plant ($1,000)	Interplant transfers: Quantity (number)	Interplant transfers: Value f.o.b. plant ($1,000)	Produced and incorporated into products at the same establishment [2] (number)
	1967--Continued							
PISTON DISPLACEMENT (cubic inches), TOTAL [3]	[4]252,452	[4]163,319	[4]439,684	82,162	276,838	81,157	162,846	[4]89,133
Under 51, 51 to 100, and 101 to 150	140,658	28,625	26,665	7,065	7,578	13,503	9,331	31,869
151 to 200				8,057	9,756			
201 to 250 and 251 to 300		38,454	57,521	22,454	38,734	16,000	18,787	
301 to 400		41,710	69,184	10,789	22,499	30,921	46,685	
401 to 500, 501 to 600, and 601 to 800	111,742	39,465	131,763	24,034	89,313	15,431	42,450	57,234
801 to 1,000		9,780	59,468	5,568	36,369	4,212	23,099	
1,001 to 1,500				2,000	20,483			
1,501 to 2,000, 2,001 to 3,000 and 3,001 to 5,000		5,263	86,781	2,019	32,186	1,090	22,494	
5,001 to 10,000				94	4,478			
10,001 to 15,000 and 15,001 to 25,000				60	7,140			
25,001 and over	52	22	8,302	22	8,302	-	-	30
	1963							
HORSEPOWER RATING, TOTAL	[4]179,344	[4]108,550	[4]292,271	52,656	172,674	55,894	119,597	[4]70,794
Under 11	8,797	585	1,546	585	1,546	-	-	3,526
11 to 20						-	-	
21 to 30						-	-	
31 to 40	14,115	4,686	1,972	3,100	2,853	8,882	4,543	6,819
41 to 50		7,296	5,424					
51 to 70	42,087	25,793	23,137	8,536	7,822	17,257	15,315	16,294
71 to 100	87,602	18,347	25,930	10,382	14,093	7,965	11,837	38,254
101 to 150		23,965	47,366	10,390	21,399	13,575	25,967	
151 to 200		7,036	21,124	5,379	16,455	1,657	4,669	
201 to 300	15,562	12,770	51,539	9,014	35,978	3,756	15,561	2,792
301 to 400	8,945	4,194	30,090	2,506	20,455	1,688	9,635	1,972
401 to 500		1,692	14,796					
501 to 600		759	8,300					
601 to 700		328	4,214					
701 to 900	305	242	3,735	2,764	52,073	1,114	32,070	63
901 to 1,000	975	445	24,801					293
1,001 to 1,500		237	13,027					
1,501 and over	956	175	15,270					781
PISTON DISPLACEMENT (cubic inches), TOTAL	[4]179,344	[4]108,550	[4]292,271	52,656	172,674	55,894	119,597	[4]70,794
Under 101	12,326	520	1,418	520	1,418	-	-	4,413
101 to 150		7,393	6,029	10,053	10,643	10,596	5,044	
151 to 200	37,459	13,256	9,658					14,751
201 to 250		9,452	13,364	6,529	10,144	2,923	3,220	
251 to 300	129,559	27,306	33,268	9,929	15,522	17,377	17,746	51,630
301 to 500		25,509	52,613	11,613	27,801	13,896	24,812	
501 to 600		10,467	35,885	4,443	18,603	6,024	17,282	
601 to 800		4,433	17,337	6,943	32,766	4,102	20,644	
801 to 1,000		6,612	36,073					
1,001 to 1,500		1,854	16,831					
1,501 to 2,000		659	7,693					
2,001 to 3,000		251	5,030					
3,001 to 5,000		250	13,659	2,626	55,777	976	30,849	
5,001 to 10,000		215	9,262					
10,001 to 25,000		373	34,151					
25,001 and over								

Source: Current Industrial Reports Series MA-35L, Internal Combustion Engines.

Note: For 1967, horsepower is defined as "maximum published horsepower rating at maximum recommended r.p.m.", whereas for 1963 horsepower was defined as "maximum brake horsepower at recommended operating range r.p.m.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Represents total number of engines shipped or produced and incorporated into products at the same establishment.

[2] Represents engines produced and incorporated (in the same plant) into products such as construction machinery; farm machinery; tractors; engine-generator sets; and other products.

[3] Data for 1967 include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive uses. Data on these types of shipments were not requested in 1963.

[4] Includes, for 1967, 73 dual-fuel engines of which 32 valued at $6.8 million were shipped; for 1963, 71 dual-fuel engines were produced, of which 28 valued at $3.1 million were shipped.

TABLE 6A-4. Gas Engines (Except Automotive) (35196), by Horsepower Rating: 1967 and 1963

Size group	Total engines[1] (number)	Shipments and interplant transfers[2]		Engines produced and incorporated into products at the same establishment[3] (number)
		Quantity (number)	Value f.o.b. plant ($1,000)	
	1967			
HORSEPOWER RATING, TOTAL[4]	12,932	10,219	21,871	2,713
Under 21, 21 to 50, and 51 to 150	12,318	5,042	7,936	2,382
151 to 500		4,894	8,336	
501 and over	614	283	5,599	331
PISTON DISPLACEMENT (cubic inches), TOTAL[4]	12,932	10,219	21,871	2,713
Under 251	12,932	590	483	2,713
251 to 500		6,036	4,933	
501 to 1,000		2,767	6,827	
1,001 to 2,000		292	1,915	
2,001 and over		534	7,713	
	1963			
HORSEPOWER RATING, TOTAL	14,492	6,253	22,318	8,239
Under 21	1,115	1,685	2,405	221
21 to 50	791			
51 to 100	10,923	2,389	2,349	7,694
101 to 150		840	1,343	
151 to 500	1,215	1,082	6,214	133
501 and over	448	257	10,007	191
PISTON DISPLACEMENT (cubic inches), TOTAL	14,492	6,253	22,318	8,239
Under 251	13,150	1,901	1,657	7,920
251 to 500		2,324	2,270	
501 to 1,000		1,005	2,438	
1,001 to 2,000	1,342	329	1,879	319
2,001 and over		694	14,074	

Source: Current Industrial Reports Series MA35L, Internal Combustion Engines.

Note: For 1967, horsepower is defined as "maximum published horsepower rating at maximum recommended r.p.m.", whereas for 1963 horsepower was defined as "maximum brake horsepower at recommended operating range r.p.m."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents total number of engines shipped and produced and incorporated into products of the same company.

[2]Shipments to other companies and interplant transfers are combined to avoid disclosing figures for individual companies.

[3]Represents engines produced and incorporated (in the same plant) into products such as construction machinery; farm machinery; tractors; engine-generator sets; and other products.

[4]Data for 1967 include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive use. Data on these types of shipments were not requested in 1963.

TABLE 6A-5. Internal Combustion Engines (Except Outboard, Automotive, and Aircraft) by Engine Operating Data and Type of Engine: 1967 and 1963

Item	Number of engines[1]					
	1967			1963		
	Gasoline	Diesel	Gas	Gasoline	Diesel	Gas
TOTAL[2]	9,102,403	[3] [4]252,452	12,932	6,861,638	[3] [4]179,344	14,492
Revolutions per minute:						
750 and under	[6]253,223	150	1,840	[5]6,106	214	2,471
751 to 1,500		[6]250,542	998		11,622	5,602
1,501 to 2,999				463,320	[6]167,508	6,419
3,000 to 3,999	7,952,177	1,760	10,094	5,921,818		-
4,000 and over	897,003	-		470,394	-	-
Method of cooling:						
Air	8,767,451	[7]252,452	-	6,595,440	[7]179,344	-
Liquid	334,952		12,932	266,198		14,492
Number of cycles:						
2	1,090,693	[8]252,452	[9]12,932	835,655	[10]179,344	[11]14,492
4	8,011,710			6,025,983		

Source: Current Industrial Reports Series MA35L, Internal Combustion Engines.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents total number of engines shipped and produced and incorporated into products of the same company, including interplant transfers.

[2]Data for 1967 include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive use. Data on these types of shipments were not requested in 1963.

[3]For 1967 includes a total of 73 dual-fuel engines produced, of which 32 valued at $6.8 million were shipped; for 1963 includes 71 dual-fuel engines produced, of which 28 valued at $3.1 million were shipped.

[4]Excludes automotive diesel engines. In 1967, 84,694 automotive diesel engines valued at $234 million were shipped. Comparable figures for 1963 are 63,149 engines valued at $165 million.

[5]Over 95 percent of these engines operated at between 751 to 1,500 r.p.m.

[6]Over 95 percent of these engines operated at between 1,501 to 2,999 r.p.m.

[7]Over 95 percent of these engines were liquid cooled.

[8]70 to 85 percent of these engines were 4-cycle engines.

[9]85 to 95 percent of these engines were 4-cycle engines.

[10]Over 80 percent of these engines were 4-cycle engines.

[11]Over 90 percent of these engines were 4-cycle engines.

TABLE 6A-6. Internal Combustion Engines (Except Outboard, Nondiesel Automotive, and Aircraft), by Number of Cylinders and Type of Engine: 1967 and 1963

Number of cylinders per engine	Number of engines[1]	
	1967	1963
Gasoline, total[2]	9,102,403	6,861,638
1	8,643,496	6,519,127
2 and 3	90,361	45,895
4	194,508	186,388
6	117,135	75,564
8 and 12	56,903	34,664
Nonautomotive diesel, total[2]	[3]252,452	[3]179,344
1	[4]26,018	780
2 and 3		11,029
4	70,740	68,857
5, 6, and 7	136,660	90,126
8 and 9	10,880	4,265
10 and over	8,154	4,287
Automotive diesel	84,694	63,149
Gas, total[2]	12,932	14,492
1, 2, 3, and 4	3,301	5,719
5, 6, and 7	8,466	8,244
8	511	215
10, 12, and over	[5]654	314

Source: Current Industrial Reports Series MA35L, Internal Combustion Engines.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not applicable. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents total number of engines shipped and produced and incorporated into products of the same company, including interplant transfers.

[2]Data for 1967 include basic engines (short block engines), primarily automotive type, shipped for conversion to marine or other nonautomotive use. Data on these types of shipments were not requested in 1963.

[3]For 1967, includes 73 dual-fuel engines produced, of which 32 valued at $6.8 million were shipped; comparable figures for 1963 are 71 engines produced, of which 28 valued at $3.1 million were shipped.

[4]85 to 95 percent of these engines had 2 or 3 cylinders.

[5]Over 95 percent of these engines had 12 or more cylinders.

TABLE 6A-7. Internal Combustion Engines (Except Outboard, Nondiesel Automotive, and Aircraft), by Type of Engine and End Application: 1967 and 1963

Type of engine and end application	1967				1963			
	Total number of engines[1]	Shipments to other companies: Number	Shipments to other companies: Value f.o.b. plant[2] ($1,000)	Interplant transfers and produced and incorporated into products at the same establishment[3] (number)	Total number of engines[1]	Shipments to other companies: Number	Shipments to other companies: Value f.o.b. plant[2] ($1,000)	Interplant transfers and produced and incorporated into products at the same establishment[3] (number)
TOTAL	9,367,787	8,208,677	666,688	1,159,110	7,055,474	6,136,718	430,199	918,756
Gasoline, total	9,102,403	8,120,218	370,466	982,185	6,861,638	6,077,809	235,207	783,829
Construction (loaders; construction type tractors; graders; scrapers; etc.; logging; mining; oilfield; quarrying and material handling machinery)	121,225	([4])	([4])	([4])	51,136	35,934	5,755	15,202
Marine (propulsion units only), except outboard	84,493	71,010	23,862	13,483	28,005	13,509	11,378	14,496
Generator sets[5]	67,930	[4]140,173	[4]18,128	[4]48,982	43,542	18,981	4,375	24,561
Lawn and garden equipment (lawnmowers; tillers; snowblowers; edge trimmers; garden tractors less than 9 hp.; golf carts; etc.)	[6]7,555,701	6,873,460	178,461	884,408	5,084,262	4,843,955	106,397	613,570
Chain saws					373,263			
Agriculture (agricultural tractors, irrigation; combines; etc.)	202,167				[7]430,362	336,454	26,234	93,908
General industrial (all other end applications, n.e.c., e.g., cotton gins; Government research; etc.; and application not specified	1,070,887	1,035,575	150,015	35,312	[8]851,068	828,976	81,068	22,092
Nonautomotive diesel, total[9]	252,452	82,162	276,838	170,290	179,344	52,656	172,674	126,688
Marine (propulsion units only), except outboard	9,764					3,906	28,210	
Construction (loaders; construction type tractors; graders; scrapers, etc.); logging mining; oilfield; quarrying and material handling machinery)	90,338	36,189	137,644	63,913	36,861	1,028	2,375	31,927
Generator sets[5]	5,564	2,314	14,808	3,250	8,519	5,508	20,354	3,011
Agriculture (agricultural tractors, irrigation; combines; etc)	102,459				82,028			
Railroad, motive power type					1,419			
General industrial (all other end application, n.e.c., e.g., cotton gins; Government research; etc,; and application not specified	44,327	43,659	124,386	103,127	50,517	42,214	121,735	91,750
Automotive diesel	([10])	([10])	([10])	([10])	([10])	([10])	([10])	([10])
Gas, total	12,932	6,297	19,384	6,635	14,492	[11]6,253	[11]22,318	[11]8,239
Construction (loaders; construction type tractors; graders; scrapers, etc.); logging, mining oilfield; quarrying and material handling machinery	4,799	5,646	12,983	6,026	5,142	3,589	9,254	257
Generator sets[5]						1,296	4,025	
Agriculture (agricultural tractors, irrigation; combines; etc.)	6,873				8,788			
General industrial (all other end applications, n.e.c.; and application not specified	1,260	651	6,401	609	562	1,368	9,039	7,982

Source: Current Industrial Reports Series M35L, Internal Combustion Engines.

Note: Engines shipped for conversion are reported on the basis of the end application after conversion.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not applicable. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents total number of engines shipped or produced and incorporated into products at the same establishment.

[2]These values are limited to engines shipped to other companies and therefore differ from values shown in tables which also include the values for engines shipped as interplant transfers.

[3]Includes number of engines transferred to other plants of the same company and the number of engines produced and incorporated (in the same plant) into products such as construction machinery; farm machinery; tractors; engine generator sets; and other products.

[4]Data for gasoline engines with construction applications are included with generator set applications.

[5]It is likely that these figures are understated since shipments of gas and/or gasoline engine driven generator sets totaled 137,328 for 1967 and 54,765 for 1963. Diesel driven units totaled 14,664 for 1967 and 8,791 for 1963. Some engines for eventual use in generator sets have apparently been reported as General industrial. Also there may be some engines produced and incorporated into generator sets in the same establishment, by manufacturers of these sets, that are not being reported in the MA-35L survey.

[6]85 to 95 percent of these engines were reported for use on lawn and garden equipment, etc.

[7]Less than 5 percent of these engines produced were reported as tractors, not specified by kind.

[8]Over 90 percent of these engines were reported for general industrial use.

[9]For 1967 included a total of 73 dual-fuel engines produced, of which 32 valued at $6.8 million were shipped. Comparable figures for 1963 are 71 engines produced, of which 28 valued at $3.1 million were shipped.

[10]In 1967, 84,694 automotive diesel engines valued at $234 million were shipped. Comparable figures for 1963 are 63,149 engines valued at $165 million.

[11]Data for a few engines shipped as interplant transfers have been included with shipments to other companies to avoid disclosing figures for individual companies.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963

1967 Census product code	Type of farm equipment	1967					
		Number of companies	Shipments				
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	WHEEL TRACTORS AND PARTS AND ATTACHMENTS, TOTAL		(X)	1,198,529	(X)	1,051,141	(X)	147,388
	Complete tractors (except garden), total[1]	(NA)	241,096	986,168	213,284	864,106	27,812	122,062
35221 04	9 to 34 P.T.O. hp	(NA)	15,878	38,186	48,760	125,125	3,943	9,537
35221 05	35 to 39 P.T.O. hp	(NA)	36,825	96,476				
35221 06	40 to 49 P.T.P. hp	(NA)	25,939	77,252	23,548	70,147	2,391	7,105
35221 09	50 to 59 P.T.O. hp	(NA)	32,378	114,499	28,181	99,758	4,197	14,741
35221 11	60 to 69 P.T.O. hp	(NA)	26,978	110,174	23,802	96,622	3,176	13,552
35221 12	70 to 79 P.T.O. hp	(NA)	31,461	146,039	26,947	124,209	4,514	21,830
35221 13	80 to 89 P.T.O. hp	(NA)						
35221 14	90 to 99 P.T.O. hp	(NA)	51,495	266,802	62,046	348,245	9,591	55,297
35221 16	100 to 119 P.T.O. hp	(NA)	13,117	83,100				
35221 17	120 P.T.O. hp and over	(NA)	7,025	53,640				
	Attachments and parts, total[2]	(NA)	(X)	212,361	(X)	187,035	(X)	25,326
35221 21	Attachments[2]	(NA)	(X)	33,424	(X)	27,484	(X)	5,940
35221 23	Parts[2]	(NA)	(X)	178,937	(X)	159,551	(X)	19,386
35223 --	PLANTING, SEEDING, AND FERTILIZING MACHINERY, TOTAL	(NA)	(X)	169,001	(X)	156,258	(X)	12,743
	Corn planters:							
35223 11, 13, 15	Drawn 2-, 4-, 6-row, and larger	12	55,054	27,987	(D)	(D)	(D)	(D)
35223 17	Mounted							
35223 20	Corn and cotton planters (drawn and mounted)	6	2,707	2,054	(D)	(D)	(D)	(D)
35223 30	Listers and lister planting attachment units							
35223 35	Potato planters, drawn or mounted							
35223 41	Transplanters, drawn or mounted	9	11,382	2,124	(D)	(D)	(D)	(D)
35223 44	Grain drills, including legume planters	8	(D)	(D)	(D)	(D)	(D)	(D)
35223 49	Broadcast seeders (end-gate, mounted and drawn)	7	22,762	1,039	(D)	(D)	(D)	(D)
	Fertilizer distributors, drawn or mounted:							
	Dry (including lime spreaders):							
	Gravity distribution:							
35223 50	Drawn (5 feet and over)	21	7,936	3,787	7,329	3,625	607	162
35223 53	Mounted (5 feet and over)	7	1,631	446	(D)	(D)	(D)	(D)
35223 51	Centrifugal distribution	18	10,418	9,113	10,134	8,974	284	139
35223 52	Liquid	9	3,311	2,373	3,119	2,269	192	104
35223 54	Anhydrous ammonia	8	(D)	(D)	(D)	(D)	(D)	(D)
	Manure spreaders, conveyor type (ASAE rating):							
	Power-take-off (single beater):							
35223 55	Under 130 bushel capacity	9	6,479	2,890	6,288	2,783	191	107
35223 56	130 and under 200 bushel capacity	18	16,468	10,573	14,310	8,992	2,158	1,581
35223 59	200 and over bushel capacity							
	Power-take-off (multiple beater):							
35223 64	Under 130 bushel capacity	7	4,419	3,951	3,259	3,138	1,160	813
35223 65	130 and under 200 bushel capacity	7	1,074	1,303	(D)	(D)	(D)	(D)
35233 66	200 and over bushel capacity							
35223 63	Ground drive	3	2,641	1,179	2,402	1,071	239	108
	Manure spreaders, tank-type:							
35223 67	Open tank (flail unloading)	9	7,991	11,326	7,811	11,151	180	175
35223 68	Closed tank (for liquids only)							
35223 70	Front and rear mounted loaders (farm type), manure and general utility (except beet and sugar cane loaders)	24	35,078	16,240	30,050	13,918	5,028	2,322
35223 77	Row crop unit planter attachments (quantity in number of rows)	7	37,803	4,722	35,397	4,452	2,406	270
35223 81	Other planting, seeding, and fertilizing machinery	37	(X)	8,385	(X)	8,048	(X)	337
35223 84	Attachments	29	(X)	21,978	(X)	20,169	(X)	1,809
35229 30	Parts (replacement units only)	47	(X)	17,827	(X)	17,011	(X)	816
35224 pt.	HARROWS, ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT, TOTAL	(NA)	(X)	179,625	(X)	168,585	(X)	11,040
	Harrows:							
35224 01	Spike-tooth harrow sections	24	147,767	4,930	145,194	4,843	2,573	87
35224 02	Spring-tooth harrow sections	21	64,253	5,491	62,077	5,346	2,176	145
35224 03	Tine-tooth harrow sections	7	27,219	957	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	HARROWS ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT--Continued							
	Harrows--Continued							
	Disc harrows:							
	Single (2 gang):							
35224 04	Drawn	10	2,080	376	(D)	(D)	(D)	(D)
35224 05	Mounted	11	5,005	2,214	4,825	2,172	180	42
	Tandem (4-gang):							
	Drawn:							
	Wheel-type:							
35224 06	Under 15 ft. width of cut	25	54,982	36,402	50,501	33,528	4,481	2,874
35224 07	15 ft. width of cut and over	10	18,925	19,536	17,112	18,008	1,813	1,528
35224 08	Other	10	11,179	2,446	(D)	(D)	(D)	(D)
35224 09	Mounted	21	12,348	3,356	11,743	3,167	605	189
	Offset:							
	Drawn:							
35224 10	Wheel-type	18	9,105	10,346	8,136	9,222	969	1,124
35224 11	Other	9	2,903	5,130	2,067	4,054	836	1,076
35224 12	Mounted	11	4,052	2,099	(D)	(D)	(D)	(D)
35224 13	Brush and bog	5	381	68	(D)	(D)	(D)	(D)
35224 14	Other harrows	9	4,044	639	4,044	639	-	-
35224 15	Soil pulverizers, packers, and land rollers	29	15,498	7,231	15,218	7,101	280	130
	Stalk shredders and cutters or rotary mowers (power-take-off):							
	Flail type (without spout):							
35224 16	Under 90 inch cutting width	16	7,244	2,557	7,023	2,472	221	85
35224 17	90 inch cutting width and over	10	5,455	5,422	(D)	(D)	(D)	(D)
	Horizontal blade type:							
35224 18	66 inches cutting width and under	33	49,956	13,633	48,354	13,173	1,602	460
35224 19	Over 66 inches up to 100 inches cutting width.	20	15,773	7,827	15,289	7,601	484	226
35224 20	Over 100 inches cutting width	13	3,208	3,194	3,170	3,151	38	43
	Blade terracers or scrapers (farm size):							
35224 22	Wheel type	7	2,542	3,642	(D)	(D)	(D)	(D)
34224 29	Rear mounted blade type	10	40,232	2,876	38,387	2,690	1,845	186
35224 23	Other	17	26,691	3,039	25,686	2,931	1,005	108
35224 24	Land levelers	22	6,727	3,676	5,961	3,020	766	656
35224 25	Wheel type folding drawbars for harrow and rotary hoe sections	10	21,109	2,139	20,780	2,076	329	63
35224 21	Field type rotary tillers, power operated	25	6,773	4,680	6,589	4,537	184	143
35224 26	Other rollers, pulverizers, and similar equipment.							
35224 27	Attachments	23	(X)	9,266	(X)	8,569	(X)	697
35224 30	Row crop power driven rotary tilling attachments							
35229 35	Parts (replacement units only)	56	(X)	16,453	(X)	15,734	(X)	719
35224 pt.	PLOWS, TOTAL	(NA)	(X)	111,540	(X)	105,072	(X)	6,468
	Moldboard plows:							
	Tractor drawn 1 way:							
35224 31	1 bottom and 2 bottom	5	1,225	75	(D)	(D)	(D)	(D)
35224 32	3 bottom	5	1,396	588	1,313	546	83	42
35224 33	4 bottom	5	1,723	1,018	1,403	823	320	195
35224 34	5 bottom	6	2,571	2,846	2,184	2,526	387	320
35224 35	6 bottom	4	610	648	(D)	(D)	(D)	(D)
35224 40	7 bottom and larger							
	Mounted, 1 way:							
35224 38	1 bottom and 2 bottom	6	8,912	1,283	8,726	1,251	186	32
35224 39	3 bottom	5	16,219	4,237	14,969	3,897	1,250	340
35224 42	4 bottom and larger	5	7,054	3,199	6,726	3,054	328	145
	Semimounted, 1 way:							
35224 41	3 bottom	5	17,676	10,859	17,099	10,506	577	353
35224 43	4 bottom							
35224 44	5 bottom	5	22,652	16,620	22,052	16,173	600	447
35224 45	6 bottom and larger	5	10,005	9,747	9,759	9,509	246	238
	Drawn and mounted 2 way:							
35224 46	1 bottom and 2 bottom	6	634	196	604	181	30	15
35224 47	3 bottom and larger	11	5,259	3,460	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963

1967 Census product code	Type of farm equipment	1967					
		Number of companies	Shipments				
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	WHEEL TRACTORS AND PARTS AND ATTACHMENTS, TOTAL		(X)	1,198,529	(X)	1,051,141	(X)	147,388
	Complete tractors (except garden), total[1]	(NA)	241,096	986,168	213,284	864,106	27,812	122,062
35221 04	9 to 34 P.T.O. hp	(NA)	15,878	38,186				
35221 05	35 to 39 P.T.O. hp	(NA)	36,825	96,476	48,760	125,125	3,943	9,537
35221 06	40 to 49 P.T.P. hp	(NA)	25,939	77,252	23,548	70,147	2,391	7,105
35221 09	50 to 59 P.T.O. hp	(NA)	32,378	114,499	28,181	99,758	4,197	14,741
35221 11	60 to 69 P.T.O. hp	(NA)	26,978	110,174	23,802	96,622	3,176	13,552
35221 12	70 to 79 P.T.O. hp	(NA)						
35221 13	80 to 89 P.T.O. hp	(NA)	31,461	146,039	26,947	124,209	4,514	21,830
35221 14	90 to 99 P.T.O. hp	(NA)	51,495	266,802				
35221 16	100 to 119 P.T.O. hp	(NA)	13,117	83,100				
35221 17	120 P.T.O. hp and over	(NA)	7,025	53,640	62,046	348,245	9,591	55,297
	Attachments and parts, total[2]	(NA)	(X)	212,361	(X)	187,035	(X)	25,326
35221 21	Attachments[2]	(NA)	(X)	33,424	(X)	27,484	(X)	5,940
35221 23	Parts[2]	(NA)	(X)	178,937	(X)	159,551	(X)	19,386
35223 --	PLANTING, SEEDING, AND FERTILIZING MACHINERY, TOTAL	(NA)	(X)	169,001	(X)	156,258	(X)	12,743
	Corn planters:							
35223 11, 13, 15	Drawn 2-, 4-, 6-row, and larger							
35223 17	Mounted	12	55,054	27,987	(D)	(D)	(D)	(D)
35223 20	Corn and cotton planters (drawn and mounted)							
35223 30	Listers and lister planting attachment units							
35223 35	Potato planters, drawn or mounted	6	2,707	2,054	(D)	(D)	(D)	(D)
35223 41	Transplanters, drawn or mounted	9	11,382	2,124	(D)	(D)	(D)	(D)
35223 44	Grain drills, including legume planters	8	(D)	(D)	(D)	(D)	(D)	(D)
35223 49	Broadcast seeders (end-gate, mounted and drawn)	7	22,762	1,039	(D)	(D)	(D)	(D)
	Fertilizer distributors, drawn or mounted: Dry (including lime spreaders): Gravity distribution:							
35223 50	Drawn (5 feet and over)	21	7,936	3,787	7,329	3,625	607	162
35223 53	Mounted (5 feet and over)	7	1,631	446	(D)	(D)	(D)	(D)
35223 51	Centrifugal distribution	18	10,418	9,113	10,134	8,974	284	139
35223 52	Liquid	9	3,311	2,373	3,119	2,269	192	104
35223 54	Anhydrous ammonia	8	(D)	(D)	(D)	(D)	(D)	(D)
	Manure spreaders, conveyor type (ASAE rating): Power-take-off (single beater):							
35223 55	Under 130 bushel capacity	9	6,479	2,890	6,288	2,783	191	107
35223 56	130 and under 200 bushel capacity							
35223 59	200 and over bushel capacity	18	16,468	10,573	14,310	8,992	2,158	1,581
	Power-take-off (multiple beater):							
35223 64	Under 130 bushel capacity	7	4,419	3,951	3,259	3,138	1,160	813
35223 65	130 and under 200 bushel capacity							
35233 66	200 and over bushel capacity	7	1,074	1,303	(D)	(D)	(D)	(D)
35223 63	Ground drive	3	2,641	1,179	2,402	1,071	239	108
	Manure spreaders, tank-type:							
35223 67	Open tank (flail unloading)							
35223 68	Closed tank (for liquids only)	9	7,991	11,326	7,811	11,151	180	175
35223 70	Front and rear mounted loaders (farm type), manure and general utility (except beet and sugar cane loaders)	24	35,078	16,240	30,050	13,918	5,028	2,322
35223 77	Row crop unit planter attachments (quantity in number of rows)	7	37,803	4,722	35,397	4,452	2,406	270
35223 81	Other planting, seeding, and fertilizing machinery	37	(X)	8,385	(X)	8,048	(X)	337
35223 84	Attachments	29	(X)	21,978	(X)	20,169	(X)	1,809
35229 30	Parts (replacement units only)	47	(X)	17,827	(X)	17,011	(X)	816
35224 pt.	HARROWS, ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT, TOTAL	(NA)	(X)	179,625	(X)	168,585	(X)	11,040
	Harrows:							
35224 01	Spike-tooth harrow sections	24	147,767	4,930	145,194	4,843	2,573	87
35224 02	Spring-tooth harrow sections	21	64,253	5,491	62,077	5,346	2,176	145
35224 03	Tine-tooth harrow sections	7	27,219	957	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	HARROWS ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT--Continued							
	Harrows--Continued							
	Disc harrows:							
	Single (2 gang):							
35224 04	Drawn	10	2,080	376	(D)	(D)	(D)	(D)
35224 05	Mounted	11	5,005	2,214	4,825	2,172	180	42
	Tandem (4-gang):							
	Drawn:							
	Wheel-type:							
35224 06	Under 15 ft. width of cut	25	54,982	36,402	50,501	33,528	4,481	2,874
35224 07	15 ft. width of cut and over	10	18,925	19,536	17,112	18,008	1,813	1,528
35224 08	Other	10	11,179	2,446	(D)	(D)	(D)	(D)
35224 09	Mounted	21	12,348	3,356	11,743	3,167	605	189
	Offset:							
	Drawn:							
35224 10	Wheel-type	18	9,105	10,346	8,136	9,222	969	1,124
35224 11	Other	9	2,903	5,130	2,067	4,054	836	1,076
35224 12	Mounted	11	4,052	2,099	(D)	(D)	(D)	(D)
35224 13	Brush and bog	5	381	68	(D)	(D)	(D)	(D)
35224 14	Other harrows	9	4,044	639	4,044	639	-	-
35224 15	Soil pulverizers, packers, and land rollers	29	15,498	7,231	15,218	7,101	280	130
	Stalk shredders and cutters or rotary mowers (power-take-off):							
	Flail type (without spout):							
35224 16	Under 90 inch cutting width	16	7,244	2,557	7,023	2,472	221	85
35224 17	90 inch cutting width and over	10	5,455	5,422	(D)	(D)	(D)	(D)
	Horizontal blade type:							
35224 18	66 inches cutting width and under	33	49,956	13,633	48,354	13,173	1,602	460
35224 19	Over 66 inches up to 100 inches cutting width.	20	15,773	7,827	15,289	7,601	484	226
35224 20	Over 100 inches cutting width	13	3,208	3,194	3,170	3,151	38	43
	Blade terracers or scrapers (farm size):							
35224 22	Wheel type	7	2,542	3,642	(D)	(D)	(D)	(D)
34224 29	Rear mounted blade type	10	40,232	2,876	38,387	2,690	1,845	186
35224 23	Other	17	26,691	3,039	25,686	2,931	1,005	108
35224 24	Land levelers	22	6,727	3,676	5,961	3,020	766	656
35224 25	Wheel type folding drawbars for harrow and rotary hoe sections	10	21,109	2,139	20,780	2,076	329	63
35224 21	Field type rotary tillers, power operated	25	6,773	4,680	6,589	4,537	184	143
35224 26	Other rollers, pulverizers, and similar equipment.							
35224 27	Attachments	23	(X)	9,266	(X)	8,569	(X)	697
35224 30	Row crop power driven rotary tilling attachments							
35229 35	Parts (replacement units only)	56	(X)	16,453	(X)	15,734	(X)	719
35224 pt.	PLOWS, TOTAL	(NA)	(X)	111,540	(X)	105,072	(X)	6,468
	Moldboard plows:							
	Tractor drawn 1 way:							
35224 31	1 bottom and 2 bottom	5	1,225	75	(D)	(D)	(D)	(D)
35224 32	3 bottom	5	1,396	588	1,313	546	83	42
35224 33	4 bottom	5	1,723	1,018	1,403	823	320	195
35224 34	5 bottom	6	2,571	2,846	2,184	2,526	387	320
35224 35	6 bottom	4	610	648	(D)	(D)	(D)	(D)
35224 40	7 bottom and larger							
	Mounted, 1 way:							
35224 38	1 bottom and 2 bottom	6	8,912	1,283	8,726	1,251	186	32
35224 39	3 bottom	5	16,219	4,237	14,969	3,897	1,250	340
35224 42	4 bottom and larger	5	7,054	3,199	6,726	3,054	328	145
	Semimounted, 1 way:							
35224 41	3 bottom	5	17,676	10,859	17,099	10,506	577	353
35224 43	4 bottom							
35224 44	5 bottom	5	22,652	16,620	22,052	16,173	600	447
35224 45	6 bottom and larger	5	10,005	9,747	9,759	9,509	246	238
	Drawn and mounted 2 way:							
35224 46	1 bottom and 2 bottom	6	634	196	604	181	30	15
35224 47	3 bottom and larger	11	5,259	3,460	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35224 pt.	PLOWS--Continued							
	Disc plows, 1 way:							
35224 49	Drawn	9	2,565	1,519	(D)	(D)	(D)	(D)
35224 50	Mounted							
	Disc plows, reversible, 2 way:							
35224 51	Drawn and mounted	3	(D)	(D)	(D)	(D)	(D)	(D)
	1-way disc plows or tillers:							
35224 53	Width of cut under 10 feet	7	887	356	(D)	(D)	(D)	(D)
35224 54	Width of cut 10 feet and over	5	989	852	(D)	(D)	(D)	(D)
35224 55	Subsoilers (deep tillage)	12	2,966	252	(D)	(D)	(D)	(D)
35224 56	Terracing and ditching plows	16	2,552	710	2,297	605	255	105
35224 57	Chisel plows or tillers (chisel or sweep type)	23	17,777	10,783	16,253	9,913	1,524	870
35224 58	Other plows, except snow plows	9	3,277	804	(D)	(D)	(D)	(D)
	Middlebusters and bedders (except planting attachments):							
35224 59	Drawn	1	(D)	(D)	(D)	(D)	-	-
35224 60	Mounted	9	3,800	1,364	3,677	1,334	123	30
35224 61	Attachments, except planting attachments for listers (coulters, jointers, root cutters, subsoilers, fertilizer distributors, etc.)	16	(X)	12,834	(X)	12,217	(X)	617
35224 62	Plowshares (quantity in thousands of pounds)	20	38,768	12,898	37,567	12,555	1,201	343
35229 40	Parts for plows and listers, except plowshares (replacement units only)	22	(X)	13,783	(X)	13,036	(X)	747
35225 --	HARVESTING MACHINERY, TOTAL	(NA)	(X)	597,531	(X)	526,543	(X)	70,988
	Combines (harvester-threshers):							
35225 10	Pull-type (all sizes)	7	3,044	11,348	(D)	(D)	(D)	(D)
	Self-propelled (basic units without heads):							
35225 18	Under 14 feet header size	6	7,865	34,231	7,644	33,282	221	949
35225 19	14 feet and under 16 feet header size	3	8,736	43,414	7,572	38,082	1,164	5,332
35225 20	16 feet and under 20 feet header size	5	8,002	49,423	6,205	38,150	1,797	11,273
35224 21	20 feet and over header size	4	14,356	104,215	12,255	88,722	2,101	15,493
	Grain heads:							
35225 22	Under 14 feet header size	5	23,383	15,082	20,617	13,177	2,766	1,905
35225 23	14 feet and under 16 feet header size	4	7,746	5,101	6,618	4,345	1,128	756
35225 24	16 feet and under 20 feet header size	4	5,163	4,113	4,290	3,412	873	701
35224 25	20 feet and over header size	3	1,735	1,190	1,355	938	380	252
	Corn heads:							
35225 26	2-row	6	11,648	15,189	11,445	14,941	203	248
35225 27	3-row	5	4,256	9,157	4,176	8,988	80	169
35225 28	4-row and larger	6	6,925	19,660	6,786	19,282	139	378
	Windrowers or swathers:							
35225 33	Drawn	8	5,383	10,808	5,064	10,371	319	437
35225 36	Self-propelled--auger type							
35225 37	Self-propelled--canvas type	4	4,321	11,134	3,339	9,012	982	2,122
	Corn pickers:							
35225 41	1-row (drawn or mounted)	5	4,112	4,459	3,639	3,926	473	533
	2-row:							
35225 45	Drawn	6	9,448	19,496	(D)	(D)	(D)	(D)
35225 47	Mounted							
35225 48	Picker-shellers (drawn, mounted, or self-propelled)	(3)	(X)	(3)	(X)	(3)	(X)	(3)
35225 46	Field shelling attachments for corn pickers, including conversion packages							
35225 51	Potato diggers	5	294	364	(D)	(C)	(D)	(D)
35225 53	Potato harvesters	17	1,699	11,515	1,580	10,765	119	750
	Beet harvesters:							
35225 52	1-row	9	665	2,704	584	2,386	81	318
35225 54	2-row							
35225 56	3-row	4	231	900	(D)	(D)	(D)	(D)
35225 57	Peanut diggers, shakers, and windrowers	10	3,251	1,773	3,137	1,720	114	53
35225 59	Peanut combines	5	1,841	6,074	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	HARVESTING MACHINERY--Continued							
	Field forage harvesters:							
35225 60	Self-propelled type	6	1,575	8,205	(D)	(D)	(D)	(D)
	Shear bar-type (rigid knives and shear bar combination):							
35225 63	Basic machines	12	24,504	35,500	21,778	31,864	2,726	3,636
	Attachments for shear bar-type forage harvesters:							
35225 66	Pick-up hay unit	10	13,027	4,881	11,586	4,363	1,441	518
35225 67	Cutter bar hay unit	8	2,790	1,655	2,062	1,215	728	440
	Row crop units:							
35225 68	1-row	9	15,559	6,329	13,647	5,630	1,912	699
35225 69	2-row	9	10,192	7,565	9,757	7,255	435	310
35225 70	Flail-type (horizontal knives or veritcal free-swinging knives or hammers), including discharge spouts	12	8,024	9,142	6,776	7,996	1,248	1,146
	Cotton pickers (spindle-type);							
35225 71	1-row	4	497	6,188	424	5,413	73	775
35225 73	2-row							
	Cotton strippers, field roller-type and finger-types:							
35225 75	Brush roll	5	1,138	2,481	(D)	(D)	(D)	(D)
35225 78	Other							
35225 81	Other harvesting machinery[3]	45	(X)	26,607	(X)	23,233	(X)	3,374
35225 83	Attachments for harvesting machinery	40	(X)	48,328	(X)	42,570	(X)	5,758
35229 50	Parts (for replacement units only)	47	(X)	59,300	(X)	54,559	(X)	4,741
	HAYING MACHINERY, TOTAL	(NA)	(X)	155,647	(X)	135,962	(X)	19,685
	Mowers, cutter bar-type (excluding combination mower-conditioners):							
35226 11	Drawn	8	9,597	3,910	8,374	3,358	1,223	552
35226 12	Semimounted	5	5,591	1,980	(D)	(D)	(D)	(D)
	Mounted:							
35226 14	Rear	8	20,750	6,728	19,395	6,198	1,355	530
35226 16	Side	7	6,182	2,228	6,017	2,162	165	66
35226 18	Combination mower-conditioners	8	15,468	26,127	13,712	23,093	1,756	3,029
	Rakes:							
	Side delivery (including combination side rakes and tedders), cylinder-type:							
35222 62	Ground driven	7	20,420	8,993	18,344	8,046	2,076	947
	Power-take-off:							
35226 28	Mounted	6	2,653	1,282	2,155	1,028	498	254
35226 29	Semimounted	4	9,394	3,091	8,314	2,635	1,080	456
35226 30	Side delivery (finger wheel-type)							
35226 41	Hay stacking attachment for loaders	5	4,705	1,316	(D)	(D)	(D)	(D)
	Pick-up hay balers:							
	Wire:							
35226 51	Engine driven	6	1,052	3,949	966	3,694	86	255
35226 53	Tractor power-take-off	8	4,426	7,389	4,020	6,653	406	736
	Twine:							
35226 55	Engine driven	5	915	2,381	799	2,040	116	341
35226 57	Tractor power-take-off	8	34,230	47,463	28,084	38,658	6,146	8,805
	Hay conditioners (excluding combination mower-conditioners):							
35226 61	Crimpers (one or both rollers corrugated)	8	4,218	2,436	3,897	2,253	321	183
35226 62	Crushers (smooth rollers)	5	2,819	1,865	2,136	1,403	683	462
35226 63	Hay crusher or hay conditioner attachments	(4)	(X)	(4)	(X)	(4)	(X)	(4)
35226 64	Bale throwing attachments for hay balers	4	9,115	3,616	(D)	(D)	(D)	(D)
35226 65	Hay bale loaders (field type)	10	3,295	830	(D)	(D)	(D)	(D)
35226 81	Other haying machinery	15	(X)	5,249	(X)	4,874	(X)	375
35226 83	Other attachments[4]	10	(X)	14,116	(X)	12,712	(X)	1,404
35229 60	Parts (replacement units only)	10	(X)	10,703	(X)	9,868	(X)	835

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment : 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
32222 pt.	FARM DAIRY MACHINES AND EQUIPMENT, TOTAL	(NA)	(X)	34,170	(X)	30,300	(X)	3,870
	Mechanical installations:							
35222 03	Pumping outfits - stationary and portable	10	16,503	3,941	(D)	(D)	(D)	(D)
	Pail-type milking machines:							
35222 05	Suspended units	10	10,624	889	6,647	576	3,977	313
35222 06	Floor type (single unit)							
35222 07	Floor type (double unti)							
35222 08	Pipeline milker units (individual clusters)	9	(S)	7,932	(S)	7,616	(S)	316
35222 15	Other farm dairy machines and equipment	11	(X)	2,848	(X)	(D)	(X)	(D)
35222 16	Attachments	9	(X)	18,560	(X)	15,649	(X)	2,911
35229 70	Parts (replacement units only)							
35222 pt.	SPRAYERS AND DUSTERS, TOTAL	(NA)	(X)	55,809	(X)	52,146	(X)	3,663
	Power sprayers (except aircraft sprayers and dusters):							
35222 18	Self-propelled	9	1,689	5,750	(D)	(D)	(D)	(D)
	Not self-propelled:							
	Air-carried type:							
	Blower attachments:							
35222 19	For orchard use	7	236	355	(D)	(D)	(D)	(D)
35222 21	For other use							
	Complete units:							
35222 22	For orchard use	13	1,009	4,099	987	4,019	22	80
35222 23	For field and row crop use	13	5,757	2,143	(D)	(D)	(D)	(D)
35222 24	For other uses							
	Other than air-carried type:							
	Complete units-pump, tank or barrel mount, discharge equipment with or without trailer or skids (except wheel-mounted hand-pulled):							
	Plunger-type pump sprayers:							
	Under 8 g.p.m. discharge:							
35222 25	Engine driven	12	2,941	996	2,505	889	436	107
	Tractor power-take-off driven:							
35222 26	Pump mounted directly on tractor power-take-off shaft	12	6,672	1,414	(D)	(D)	(D)	(D)
35222 27	Pump mounted other than on tractor power-take-off shaft	5	1,054	443	(D)	(D)	(D)	(D)
	8 g.p.m. discharge and over:							
35222 28	Engine driven	9	1,956	1,836	1,854	1,767	102	69
	Tractor power-take-off driven:							
35222 29	Pump mounted directly on tractor power-take-off shaft	14	5,776	1,475	(D)	(D)	(D)	(D)
35222 31	Pump mounted other than on tractor power-take-off shaft	9	1,311	1,219	(D)	(D)	(D)	(D)
	Other than plunger-type pump sprayers (roller, gear, etc.):							
35222 32	Engine driven	4	455	234	(D)	(D)	(D)	(D)
	Tractor power-take-off driven:							
35222 33	Pump mounted directly on tractor power-take-off shaft	25	23,591	5,314	23,059	5,208	532	106
35222 34	Pump mounted other than on tractor power-take-off shaft							
	Wheel-mounted, hand-pulled type:							
35222 37	Tank of 16 gallons capacity and under	6	8,048	806	7,595	756	453	50
35222 38	Tank of over 16 gallons capacity	8	1,821	340	(D)	(D)	(D)	(D)
	Hand sprayers, agricultural (except flame):							
25222 39	Under 1 gallon	6	4,216,419	2,112	3,947,739	1,978	268,680	134
	1 gallon and over:							
35222 41	Compressed air or gas	8	1,399,265	8,816	1,289,590	8,199	109,675	617
35222 42	Knapsack (liquid pump)	7	54,289	1,009	48,080	883	6,209	126
35222 43	Wheelbarrow	6	2,257	70	(D)	(D)	(D)	(D)
35222 44	Hose-end sprayers	8	1,030,909	2,146	1,027,350	2,138	3,559	8
35222 45	Flame sprayers, hand	7	20,697	285	19,957	272	740	13

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35222 pt.	SPRAYERS AND DUSTERS--Continued							
	Sprayer pumps:							
35222 46	Power driven, plunger-type	7	2,802	431	(D)	(D)	(D)	(D)
35222 47	Power driven, except plunger-type	4	33,896	1,194	(D)	(D)	(D)	(D)
35222 48	Hand driven (bucket, barrel, slide, etc.)	7	60,153	304	(D)	(D)	(D)	(D)
	Dusters:							
	Power:							
35222 51	Tractor power-take-off	16	3,611	506	(D)	(D)	(D)	(D)
35222 49	Engine-driven				(D)	(D)	(D)	(D)
35222 52	Traction, all types				(D)	(D)	(D)	(D)
	Hand types:							
35222 53	Crank or knapsack type	8	14,482	203	13,927	192	555	11
35222 54	Plunger type	5	362,053	465	346,083	449	15,970	16
35222 55	Attachments for sprayers and dusters	13	(X)	2,333	(X)	2,083	(X)	250
35229 72	Parts (replacement units only)	37	(X)	9,511	(X)	8,734	(X)	777
35222 pt.	FARM ELEVATORS AND BLOWERS, TOTAL	(NA)	(X)	41,566	(X)	38,123	(X)	3,443
	Farm elevators, portable:							
	Single chain:							
35222 61	Bale type only	13	13,002	1,488	10,925	1,290	2,077	198
35222 62	All other	9	4,098	1,025	(D)	(D)	(D)	(D)
35222 63	Double chain	24	23,827	8,724	22,405	8,406	1,422	318
	Auger type:							
35222 65	4 in. and smaller diameter	11	38,370	1,559	33,469	1,423	4,901	136
	Over 4 in. diameter:							
35222 66	With truck	17	(NA)	7,221	(D)	(D)	(D)	(D)
35222 67	Without truck	20	(NA)	5,660	(NA)	5,243	(NA)	417
35222 68	Farm elevators, stationary	12	1,142	2,933	(D)	(D)	(D)	(D)
35222 69	Forage blowers, including combination grain and forage blowers	12	15,541	8,405	14,354	7,733	1,187	672
35222 71	Other farm elevators	11	1,157	1,765	(D)	(D)	(D)	(D)
35222 72	Other farm blowers							
35222 73	Attachments for farm elevators	7	(X)	411	(X)	(D)	(X)	(D)
35222 74	Attachments for farm blowers	7	(X)	449	(X)	350	(X)	99
35229 74	Parts for farm elevators (replacement units only)	19	(X)	1,477	(X)	1,463	(X)	14
35229 76	Parts for grain and forage blowers (replacement units only)	8	(X)	449	(X)	417	(X)	32
35228 pt.	CULTIVATORS AND WEEDERS, TOTAL	(NA)	(X)	89,443	(X)	86,474	(X)	2,969
	Corn and cotton type cultivators:							
35228 01	Drawn	(7)	(X)	(7)	(X)	(7)	(X)	(7)
	Mounted:							
35228 02	1-row	8	6,070	510	(D)	(D)	(D)	(D)
	2-row:							
35228 03	Front mounted	5	3,191	196	3,156	186	35	10
35228 04	Rear mounted	8	3,602	933	3,242	841	360	92
	4-row:							
35228 05	Front mounted	6	5,028	2,784	4,740	2,612	288	172
35228 06	Rear mounted	10	28,954	16,184	28,298	15,809	656	375
	6-row and larger:							
35228 08	Front mounted	8	14,879	10,817	14,826	10,776	53	41
35228 09	Rear mounted							
35228 10	Beet, bean, and vegetable cultivators, drawn or mounted	7	778	305	(D)	(D)	(D)	(D)
35228 11	Rotary hoe cultivator sections, drawn or mounted	24	87,187	8,953	86,722	8,916	465	37
	Field cultivators:							
35228 13	Drawn	9	24,494	10,843	22,438	9,860	2,056	983
35228 14	Mounted	4	4,594	2,134	(D)	(D)	(D)	(D)
	Tool bars and tool bar carriers (basic unit only):							
35228 15	Drawn	18	19,483	5,869	18,291	5,599	1,192	270
35228 16	Mounted							
35228 17	Rod weeders (drawn or mounted)	9	3,341	1,350	(D)	(D)	(D)	(D)
35228 18	Other cultivators and weeders[7]	26	(X)	4,502	(X)	(D)	(X)	(D)
35228 19	Attachments for cultivators and weeders	27	(X)	6,290	(X)	6,029	(X)	261
35229 80	Parts (replacement units only)	42	(X)	17,773	(X)	17,332	(X)	441

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967						
		Number of companies	Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 pt.	MACHINES FOR PREPARING CROPS FOR MARKET OR FOR USE, TOTAL	(NA)	(X)	97,567	(X)	92,386	(X)	5,181
	Corn shellers, power:							
35228 22	Capacity 500 bushels per hour and under	6	382	541	(D)	(D)	(D)	(D)
35228 23	Capacity over 500 bushels per hour							
	Feed grinders and crushers, power (farm size):							
35228 24	Hammer mills, with hammers only	17	4,267	1,404	3,218	1,146	1,049	258
35228 25	Burr mills, with grinding plates only	8	2,129	1,363	1,728	1,257	401	106
35228 26	Combination roughage mills							
35228 27	Roller mills	8	1,479	804	1,371	748	108	56
	Feed mixers (farm size):							
35228 28	Stationary	6	622	566	(D)	(D)	(D)	(D)
35228 29	Portable							
	Combination grinder-mixers:							
35228 30	Stationary	7	612	556	(D)	(D)	(D)	(D)
35228 31	Portable	22	23,327	30,654	21,452	28,302	1,875	2,352
35228 32	Tobacco curers	6	13,115	2,680	(D)	(D)	(D)	(D)
	Driers, grain, hay, and seed:							
	Heated air crop driers:							
	Batch type:							
35228 33	Power take-off operated[8]	10	3,226	8,202	3,165	8,053	61	149
35228 34	Electric motor operated[8]							
35228 35	Continuous flow type[9]	10	2,681	25,094	(D)	(D)	(D)	(D)
35228 43	Heated air units[10]	5	9,370	3,540	9,370	3,540	-	-
	Crop drying fans (over 15,000 c.f.m. at approximately one inch pressure):							
35228 36	24 inches and under diameter	76	(X)	16,008	(X)	15,401	(X)	607
35228 37	Over 24 inches diameter							
35228 38 44	Other machines for preparing crops for market or for use including supplemental heaters (without fans)							
35228 39	Attachments	11	(X)	1,897	(X)	(D)	(X)	(D)
35229 82	Parts (replacement units only)	31	(X)	4,258	(X)	4,099	(X)	159
35228 pt.	FARM POULTRY EQUIPMENT, TOTAL	(NA)	(X)	62,875	(X)	58,441	(X)	4,434
	Incubators:							
35228 41	Chicken egg (all capacity)	10	(NA)	4,629	(NA)	2,855	(NA)	1,774
35228 41	Turkey egg incubators, regardless of capacity							
35228 12	All other incubators for all types of eggs except chicken and turkey of any capacity							
	Brooders, floor:							
35228 48	Gas	13	97,452	3,177	87,967	2,870	9,485	307
35228 50	Other (electric, oil, coal, and wood)	10	39,364	613	(D)	(D)	(D)	(D)
35228 51	Brooders, battery (starting and growing) (quantity in number of decks)	3	5,286	154	(D)	(D)	(D)	(D)
	Nests and cages:							
35228 52	Hole and colony type (total linear footage)	21	1,890,137	3,654	(D)	(D)	(D)	(D)
35228 53	Standard laying cages (total linear footage)	14	9,455,637	12,420	(D)	(D)	(D)	(D)
35228 54	Laying cages mechanized for feeding and/or egg gathering							
35228 58	Turkey feeders	6	14,973	557	(D)	(D)	(D)	(D)
	Poultry feeders (except turkey feeders):							
35228 55	Trough (except mechanical)(total linear footage)	19	(NA)	754	(NA)	692	(NA)	62
35228 56	Hanging	13	310,986	518	(D)	(D)	(D)	(D)
35228 57	Mechanical (total linear footage of conveyor)	14	7,359,898	11,636	7,207,662	11,406	152,236	230
35228 60	Powered feed carts	(11)	(X)	(11)	(X)	(11)	-	-
	Poultry waterers (except turkey waterers):							
35228 59	Trough (chicken type)	28	(NA)	7,558	(D)	(D)	(D)	(D)
35228 61	Automatic fountains	14	97,017	378	(D)	(D)	(D)	(D)
35228 62	All other waterers	17	4,482,777	2,771	(D)	(D)	(D)	(D)
35228 63	Turkey waterers	6	82,600	126	(D)	(D)	(D)	(D)
35228 66	Egg washers	8	784	2,028	(D)	(D)	(D)	(D)
35228 65	Egg graders, mechanized	35	(X)	9,393	(X)	9,216	(X)	177
35228 67	Other farm poultry equipment[11]							
35228 68	Attachments for farm poultry equipment	11	(X)	757	(X)	(D)	(X)	(D)
35229 84	Parts (replacement units only)	23	(X)	1,752	(X)	1,468	(X)	284

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	Number of companies	1967					
			Shipments					
			Total		Domestic		Export	
			Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 pt.	HOG EQUIPMENT, TOTAL	(NA)	(X)	19,802	(X)	19,668	(X)	134
	Feeding equipment:							
35228 89	Powered hog feeding system	4	(NA)	119	(D)	(D)	(D)	(D)
35228 90	Pig feeders--under 100 lbs. live weight	32	246,919	1,396	(D)	(D)	(D)	(D)
35228 91	Hog feeders--over 100 lbs. live weight	33	207,640	10,045	(D)	(D)	(D)	(D)
	Handling equipment:							
35228 92	Hog farrowing crate and stall	19	74,095	2,416	(D)	(D)	(D)	(D)
35228 93	Hog pens (quantity in number of feet)	(12)	(X)	(12)	(X)	(12)	-	-
	Watering equipment:							
35228 94	Hog waterer, heated (pressure type)	15	43,841	1,353	42,119	1,300	1,722	53
35338 95	Hog waterer, not heated (pressure and gravity type)	16	164,883	1,230	(D)	(D)	(D)	(D)
35228 96	Gravity storage hot waterer, 20 gallons or more capacity	12	30,192	1,159	30,192	1,159	-	-
35228 97	Other hog equipment[12]	33	(X)	1,709	(X)	(D)	(X)	(D)
35228 98	Attachments for hog equipment	4	(X)	136	(X)	136	(X)	-
35229 88	Parts (replacement units only)	7	(X)	239	(X)	(D)	(X)	(D)
35228 pt.	OTHER BARN AND BARNYARD EQUIPMENT, TOTAL	(NA)	(X)	67,615	(X)	64,245	(X)	3,368
	Cattle and dairy barn equipment:							
	Feeding equipment:							
	Silo unloaders, forage:							
	Tower (including sealed storage unloaders):							
35228 45	Top unloaders	29	21,568	21,125	19,936	19,700	1,632	1,425
35228 46	Bottom unloaders							
35228 86	Horizontal							
35228 87	Electric powered bunk feeders	23	8,767	5,775	8,412	5,498	355	277
35228 65	Calf feeder - hopper type	10	8,736	887	(D)	(D)	(D)	(D)
35228 85	Cattle feeder - hopper type	15	8,117	1,415	(D)	(D)	(D)	(D)
	Handling equipment:							
35228 70	Dairy, barn, gutter cleaners	19	10,209	10,972	9,314	10,040	895	932
35228 73	Dairy cattle stall for use with stanchions	17	38,346	804	(D)	(D)	(D)	(D)
35228 74	Chain tie stalls (all types)	16	39,073	886	(D)	(D)	(D)	(D)
d5228 71	Dairy free stalls (for loose housing barns)new	14	101,439	1,006	(D)	(D)	(D)	(D)
35228 78	Pens (quantity in number of feet)	15	50,060	343	50,060	343	-	-
35228 75	Milking parlor stalls	7	18,476	2,046	(D)	(D)	(D)	(D)
35228 76	Panel type milking or feeding stalls (complete stalls)	5	19,006	234	19,006	234	-	-
35228 77	Stanchions, swing type	15	58,427	474	(D)	(D)	(D)	(D)
	Watering equipment:							
35228 72	Combination cattle and hog waterer, heated (pressure type)	11	12,581	1,119	(D)	(D)	(D)	(D)
35228 79	Cattle waterers, heated (pressure type)	12	27,353	1,613	(D)	(D)	(D)	(D)
35228 80	Dairy cattle water bowls, inside	17	244,256	1,437	(D)	(D)	(D)	(D)
35228 81	Stock watering tanks	30	189,845	5,749	(D)	(D)	(D)	(D)
35228 82	Livestock water heaters	19	47,127	759	(D)	(D)	(D)	(D)
35228 83	Other barn and barnyard equipment	55	(X)	7,082	(X)	6,784	(X)	298
35228 84	Attachments	14	(X)	779	(X)	(D)	(X)	(D)
35229 86	Parts (replacement units only)	27	(X)	3,108	(X)	3,010	(X)	98
37992 pt.	FARM WAGONS (AND OTHER FARM TRANSPORTATION EQUIPMENT, TOTAL	(NA)	(X)	70,794	(X)	67,025	(X)	3,769
	Wagons (chassis only) and trailer gears:							
37992 13	2-wheel	17	3,232	642	3,139	634	93	8
	4-wheel:							
37992 11	Under 4 ton capacity	17	37,405	6,189	34,950	5,816	2,455	373
37992 12	4 ton capacity and over	37	51,335	8,403	49,937	8,089	1,398	314
	Boxes and racks for mounting on wagons, trucks, and trailer gears:							
37992 15	Manual unloading or dump	22	17,808	5,128	(D)	(D)	(D)	(D)
	Power unloading:							
37992 16	Grain type (cannot handle forage)	14	8,214	2,702	8,126	2,659	88	43
	Forage type:							
37992 17	Rear unloading only	13	3,410	2,044	(D)	(D)	(D)	(D)
37992 18	Side unloading (with or without rear unloading)	30	26,555	24,174	25,232	23,053	1,323	1,121
37992 20	Gravity unloading (grain type only)	6	19,042	2,757	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1967 Census product code	Type of farm equipment	1967 Number of companies	1967 Shipments Total Quantity (number)	1967 Shipments Total Value ($1,000)	1967 Shipments Domestic Quantity (number)	1967 Shipments Domestic Value ($1,000)	1967 Shipments Export Quantity (number)	1967 Shipments Export Value ($1,000)
37992 pt.	FARM WAGONS, AND OTHER FARM TRANSPORTATION EQUIPMENT--Continued							
	Boxes with integral running gear:							
37992 24	Grain type (cannot handle forage)	5	939	663	(D)	(D)	(D)	(D)
37992 26	Forage type							
37992 19	Other farm transportation equipment	34	(X)	11,807	(X)	(D)	(X)	(D)
37992 21	Attachments	18	(X)	3,388	(X)	(D)	(X)	(D)
37992 22	Parts (replacement units only)	22	(X)	2,897	(X)	(D)	(X)	(D)
35222 pt.	GARDEN TRACTORS AND MOTOR TILLERS, TOTAL	(NA)	(X)	203,210	(X)	193,913	(X)	9,297
	Garden tractors (including motor tillers), total	(NA)	560,387	155,466	533,982	150,475	26,405	4,991
	Garden tractors (except motor tillers), total[13]	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
	Riding type, total	(NA)	260,946	123,370	255,720	120,839	5,226	2,531
35222 81	Under 7.0 engine hp	8	33,295	10,418	32,847	10,304	448	114
35222 82	7.0 and under 10.0 engine hp	15	68,369	29,565	66,709	28,820	1,660	745
35222 83	10.0 engine hp and over	12	159,282	83,387	156,164	81,715	3,118	1,672
	Walking type total	(X)	(D)	(D)	(D)	(D)	(D)	(D)
35222 86	Under 7.0 engine hp	6	(D)	(D)	(D)	(D)	(D)	(D)
35222 87	7.0 engine hp and over							
	Motor tillers, total	(NA)	(D)	(D)	(D)	(D)	(D)	(D)
35222 88	Under 6 engine hp	18	269,788	24,446	250,992	22,664	18,796	1,782
35222 89	6 engine hp and over	5	(D)	(D)	(D)	(D)	(D)	(D)
35222 91	Attachments for garden tractors	18	(X)	39,969	(X)	36,140	(X)	3,829
35222 92								
35229 78	Parts for garden tractors	13	(X)	7,775	(X)	7,298	(X)	477

1963 Census product code	Type of farm equipment	1963 Number of companies	1963 Number produced	1963 Manufacturers' shipments Total Quantity (number)	1963 Manufacturers' shipments Total Value ($1,000)	1963 Manufacturers' shipments Domestic Quantity (number)	1963 Manufacturers' shipments Domestic Value ($1,000)	1963 Manufacturers' shipments For export Quantity (number)	1963 Manufacturers' shipments For export Value ($1,000)
35222 --	WHEEL TRACTORS AND PARTS AND ATTACHMENTS, TOTAL	(NA)	(X)	(X)	770,676	(X)	665,234	(X)	105,442
35222 10	Wheel-type (except garden), total[1]	(NA)	203,449	204,970	603,579	177,239	517,876	27,731	85,703
35222 03,04	9-34 belt hp	(NA)	26,884	27,189	49,008	23,178	41,269	4,011	7,739
35222 05	35-39 belt hp	(NA)	23,985	23,385	47,640	35,400	75,309	3,727	7,634
35222 06	40-44 belt hp	(NA)	15,705	15,742	35,303				
35222 07	45-49 belt hp	(NA)	30,128	30,733	76,638	25,736	63,994	4,997	12,644
35222 08	50-54 belt hp	(NA)	12,039	12,160	33,997	11,432	32,035	728	1,962
35222 09	55-59 belt hp	(NA)	12,191	12,393	41,706	37,700	124,635	6,722	23,434
35222 11	60-69 belt hp	(NA)	31,122	32,029	106,363				
3522212,13	70-89 belt hp	(NA)	31,887	32,117	122,786	43,793	180,634	7,546	32,290
35222 14	90 belt hp. and over	(NA)	19,508	19,222	90,138				
35222 20	Attachments and parts, total[2]	(NA)	(X)	(X)	167,097	(X)	147,358	(X)	19,739
35222 21	Attachments[2]	(NA)	(X)	(X)	42,399	(X)	36,694	(X)	5,705
35222 23	Parts[2]	(NA)	(X)	(X)	124,698	(X)	110,664	(X)	14,034
35223 --	PLANTING, SEEDING, AND FERTILIZING MACHINERY, TOTAL	151	(X)	(X)	111,912	(X)	104,389	(X)	7,523
	Corn planters:								
	Drawn:								
35223 11	2-row	10	22,109	23,914	8,851	23,288	8,620	626	231
35223 13	4-row								
35223 15	6-row and larger								
35223 16	Mounted	4	6,051	5,925	589	5,925	589	(D)	(D)
	Corn and cotton planters (mounted):								
35223 25	1-row and 2-row	13	12,140	13,136	1,476	11,938	1,345	1,198	131
35223 26	4-row	7	3,186	3,426	1,515	3,277	1,468	149	47
35223 27	6-row and larger								

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35223 --	PLANTING, SEEDING, AND FERTILIZING MACHINERY--Continued								
35223 33	Lister planting attachment units	4	2,536	2,624	256	2,624	256	(D)	(D)
35223 35	Potato planters, drawn or mounted	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35223 41	Transplanters, drawn or mounted	10	13,926	13,467	2,337	12,856	2,204	611	133
	Grain drills, including legume planters:								
35223 43	Fertilizer	10	5,126	5,610	2,971	5,222	2,775	388	196
	Plain:								
35223 45	Press	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35223 46	Other								
35223 47	Fertilizer attachments for plain drills	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35223 49	Broadcast seeders (end-gate, mounted and drawn)	9	20,395	20,158	897	20,158	897	(D)	(D)
	Fertilizer distributors, drawn or mounted:								
	Dry:								
35223 50	Gravity distribution	33	30,292	29,943	5,387	28,715	5,114	1,228	273
35223 51	Centrifugal distribution	15	7,138	6,720	3,842	6,578	3,814	142	28
35223 52	Liquid	8	4,926	4,790	3,425	4,790	3,425	(D)	(D)
35223 54	Anhydrous ammonia	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Manure spreaders (ASAE rating):								
	Power take-off (single beater):								
35223 57	115 bushels and under	10	7,175	6,727	2,999	6,727	2,999	(D)	(D)
35223 58	Over 115 bushels	13	17,762	17,152	8,905	15,118	7,847	2,034	1,058
	Power take-off (multiple beater):								
35223 61	115 bushels and under	5	(D)	908	484	908	484	(D)	(D)
35223 62	Over 115 bushels	10	11,084	9,594	5,721	8,637	5,108	957	613
35223 63	Ground drive	7	8,181	7,640	2,813	6,628	2,445	1,012	368
	Loaders (farm type), manure and general utility (except beet and sugar cane loaders):								
35223 71	Front mounted	27	41,241	39,288	15,230	34,761	13,850	4,527	1,380
35223 73	Rear mounted								
35223 75	Row crop unit planters for attaching to tool bars	6	30,903	25,183	2,541	23,149	2,328	2,034	213
35223 81	Other planting, seeding, and fertilizing machinery	37	(X)	(X)	3,822	(X)	3,740	(X)	82
35223 83	Attachments	26	(X)	(X)	12,594	(X)	11,944	(X)	650
35223 85	Parts	44	(X)	(X)	14,298	(X)	13,618	(X)	680
35224 --	HARROWS, ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT, TOTAL	175	(X)	(X)	114,791	(X)	108,861	(X)	5,930
	Harrows:								
35224 01	Spike-tooth harrow sections	25	115,475	113,140	3,380	113,140	3,380	(D)	(D)
35224 02	Spring-tooth harrow sections	20	70,500	62,523	2,878	59,826	2,758	2,697	120
35224 03	Tine-tooth harrow sections	10	16,188	15,699	524	14,613	486	1,086	38
	Disc harrows:								
	Single (2-gang):								
35224 04	Drawn	14	7,811	7,833	1,215	7,719	1,188	114	27
35224 05	Mounted	9	2,710	2,614	873	2,526	861	88	12
	Tandem (4-gang):								
	Drawn:								
	Wheel type:								
35224 06	Under 15 ft. width of cut	24	53,735	53,148	28,052	51,097	27,043	2,051	1,009
35224 07	15 ft. width of cut and over	9	4,876	4,920	4,237	4,729	4,103	191	134
35224 08	Other	11	8,548	9,084	2,307	8,292	2,054	792	253
35224 09	Mounted	20	11,410	11,508	2,480	11,137	2,395	371	85
	Offset:								
	Drawn:								
35224 10	Wheel type	18	5,315	5,307	4,253	4,598	3,873	709	380
35224 11	Other	11	3,331	3,529	5,474	2,601	4,177	928	1,297
35224 12	Mounted	11	2,631	2,440	742	2,019	607	421	135
35224 13	Brush and bogs	6	482	499	140	499	140	(D)	(D)
25224 14	Other harrows	10	3,221	3,524	583	3,524	583	(D)	(D)
35224 15	Soil pulverizers, packers, and land rollers	31	11,631	11,520	4,119	11,285	4,017	235	102

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35224 --	HARROWS, ROLLERS, PULVERIZERS, STALK CUTTERS, AND SIMILAR EQUIPMENT--Continued								
	Stalk shredders and cutters or rotary mowers (power take-off):								
35224 17	Flail-type (without spout)	14	7,255	7,277	3,122	7,277	3,122	(D)	(D)
	Horizontal-blade type:								
35224 18	66 inches cutting width and under	36	54,132	52,824	14,539	50,629	14,049	2,195	490
35224 19	Over 66 inches up to 100 inches cutting width	17	11,286	11,355	4,463	11,043	4,302	312	161
35224 20	Over 100 inches cutting width	11	1,742	1,718	1,727	1,718	1,727	(D)	(D)
	Blade terracers or scrapers (farm size):								
35224 22	Wheel type	11	2,531	2,610	1,800	2,610	1,800	(D)	(D)
35224 23	Other	26	47,701	46,777	3,733	45,407	3,607	1,370	126
35224 24	Land levelers	24	7,553	7,500	3,066	6,632	2,481	868	585
35224 25	Wheel-type folding drawbars for harrow and rotary hoe sections	11	15,691	15,759	2,042	15,759	2,042	(D)	(D)
35224 26	Other rollers, pulverizers, and similar equipment	21	4,204	4,201	2,716	3,960	2,537	241	179
35224 27	Attachments	24	(X)	(X)	3,098	(X)	2,832	(X)	266
35224 28	Parts	67	(X)	(X)	13,228	(X)	12,697	(X)	531
35224 --	PLOWS AND LISTERS, TOTAL	93	(X)	(X)	76,840	(X)	70,852	(X)	5,988
	Moldboard plows:								
	Tractor-drawn 1-way:								
35224 31	1-bottom and 2-bottom	8	2,704	2,773	143	2,773	143	(D)	(D)
35224 32	3-bottom	6	5,259	4,855	1,935	4,680	1,858	175	77
35224 33	4-bottom	5	6,410	6,672	3,494	6,283	3,295	389	199
35224 34	5-bottom	6	2,150	2,541	1,772	2,225	1,575	316	197
35224 35	6-bottom and larger	6	441	674	513	563	453	111	60
	Tractor-drawn 2-way:								
35224 36	1-furrow and 2-furrow	5	130	145	356	145	356	(D)	(D)
35224 37	3-furrow and larger								
	Mounted, 1-way:								
35224 38	1-bottom and 2-bottom	7	16,118	16,055	2,130	15,610	2,064	445	66
	3-bottom:								
35224 39	Mounted	6	18,652	19,947	4,788	18,604	4,482	1,343	306
35224 41	Semimounted								
	4-bottom:								
35224 42	Mounted	3	4,318	4,137	1,645	4,137	1,645	(D)	(D)
35224 43	Semimounted	4	11,485	11,624	5,859	11,624	5,859	(D)	(D)
	5-bottom and larger:								
35224 44	Mounted	5	10,587	10,615	6,689	10,396	6,567	219	122
35224 45	Semimounted								
	Mounted, 2-way:								
35224 46	1-furrow	10	733	825	287	825	287	(D)	(D)
35224 47	2-furrow								
35224 48	3-furrow	7	4,811	5,026	2,574	5,026	2,574	(D)	(D)
	Disc plows, 1-way:								
35224 49	Drawn	11	657	777	540	417	256	360	284
35224 50	Mounted	7	1,242	1,188	405	743	246	445	159
	Disc plows, reversible, 2-way:								
35224 51	Drawn	7	659	689	770	601	721	88	49
35224 52	Mounted								
	One-way disc plows or tiller:								
35224 53	Width of cut under 10 feet	11	1,757	1,688	593	1,217	436	471	157
35224 54	Width of cut 10 feet and over	6	2,311	2,476	1,611	2,476	1,611	(D)	(D)
35224 55	Subsoilers (deep tillage)	12	3,270	3,436	259	3,436	259	(D)	(D)
35224 56	Terracing and ditching plows	14	2,600	2,766	504	2,555	462	211	42
35224 57	Chisel plows or tillers (chisel or sweep type)	15	11,674	10,886	5,084	7,848	3,550	3,038	1,534
35224 58	Other plows, except snow plows	11	11,776	11,959	1,207	11,959	1,207	(D)	(D)
	Listers (middlebusters, middlebrakers, and bedders), with or without planting attachments:								
35224 59	Drawn	10	13,040	12,635	2,252	12,635	2,252	(D)	(D)
	Mounted								
35224 61	Attachments, except planting attachments for listers (coulters, jointers, root cutters, subsoilers, fertilizer distributors, etc.)	24	(X)	(X)	8,271	(X)	7,729	(X)	542
35224 62	Plowshares (quantity in thousands of pounds)	21	29,497	30,432	10,278	29,098	9,849	1,334	429
35224 63	Parts for plows and listers, except plowshares	35	(X)	(X)	12,881	(X)	11,468	(X)	1,413

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35225 --	HARVESTING MACHINERY, TOTAL	128	(X)	(X)	386,007	(X)	344,012	(X)	41,995
	Combines (harvester-threshers):								
	Pull type:								
35225 11	6 feet and under	-	-	-	-	-	-	-	-
35225 13	Over 6 feet and under 9 feet	7	4,798	4,727	10,857	2,910	6,123	1,817	4,734
35225 15	9 feet and under 12 feet								
35225 17	12 feet and over								
	Self-propelled: (basic units without heads)								
35225 18	Under 14 feet header size	7	15,096	14,547	51,013	12,304	43,335	2,243	7,678
35225 19	14 feet and under 16 feet header size	6	5,652	5,328	25,063	4,944	21,129	884	3,934
35225 20	16 feet and under 20 feet header size	5	6,415	6,540	35,880	4,833	27,268	1,707	8,612
35225 21	20 feet and over header size								
	Grain heads:								
35225 22	Under 14 feet header size	4	20,617	19,622	10,998	16,660	9,157	2,962	1,841
35225 23	14 feet and under 16 feet header size	4	4,037	3,950	2,781	2,942	2,063	1,008	718
35225 24	16 feet under 20 feet header size	4	2,656	2,641	2,169	1,910	1,548	721	621
35225 25	20 feet and over header size	3	225	305	272	305	272	(D)	(D)
	Corn heads:								
35225 26	2-row	6	11,834	11,926	13,127	11,594	12,764	332	363
35225 27	4-row	3	920	1,018	2,472	990	2,405	28	67
	Windrowers or swathers:								
35225 33	Drawn	7	5,917	6,000	13,191	5,345	11,796	655	1,395
35225 35	Self-propelled								
	Corn pickers:								
35225 41	1-row (drawn or mounted)	5	3,814	4,603	3,508	4,126	3,049	477	459
	2-row:								
35225 45	Drawn	8	16,637	16,652	28,499	16,161	27,712	491	787
35225 47	Mounted								
35225 48	Picker-shellers (drawn, mounted, or self-propelled)	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35225 46	Field shelling attachments for corn pickers, including conversion packages	4	2,103	2,069	1,207	2,069	1,207	(D)	(D)
35225 51	Potato diggers	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35225 53	Potato harvesters	16	674	539	2,918	539	2,918	(D)	(D)
	Beet harvesters:								
35225 52	1-row	5	508	523	1,019	423	833	100	186
35225 54	2-row	8	946	982	3,177	947	3,064	35	113
35225 56	3-row	7	324	328	1,197	328	1,197	(D)	(D)
35225 57	Peanut diggers, shakers, and windrowers	6	2,129	2,170	956	2,170	956	(D)	(D)
35225 59	Peanut combines	5	2,043	1,970	5,908	1,919	5,826	51	82
	Field forage harvesters:								
35225 60	Self-propelled type	3	601	558	2,607	558	2,607	(D)	(D)
	Shear bar type (rigid knives and shear bar combination):								
	Basic machines:								
35225 62	Engine drive	5	179	187	493	187	493	(D)	(D)
35225 64	Power take-off	11	13,353	13,970	15,539	12,831	14,307	1,139	1,232
	Attachments for shear bar type forage harvesters:								
35225 66	Pick-up hay unit	11	6,085	6,802	2,309	6,322	2,173	480	136
35225 67	Cutter bar hay unit	8	2,073	2,063	890	1,526	659	537	231
	Row crop units:								
35225 68	1-row	10	11,876	10,984	4,099	10,257	3,820	727	279
35225 69	2-row	8	3,572	3,731	2,300	3,620	2,236	111	64
35225 70	Flail type (horizontal knives or vertical free-swinging knives or hammers), including discharge spouts	12	6,488	6,474	5,598	5,732	4,961	742	637
	Cotton pickers:								
35225 71	1-row	4	5,012	4,752	40,009	4,693	39,439	59	570
35225 73	2-row								
35225 75	Cotton strippers	16	4,380	3,737	4,535	3,737	4,535	(D)	(D)
35225 81	Other harvesting machinery	36	(X)	(X)	10,577	(X)	9,672	(X)	905
35225 83	Attachments	43	(X)	(X)	29,013	(X)	25,773	(X)	3,240
35225 85	Parts	53	(X)	(X)	50,648	(X)	47,587	(X)	3,061

See footnotes at end of table.

TABLE 6A-8 Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35226 --	HAYING MACHINERY, TOTAL	62	(X)	(X)	131,769	(X)	114,558	(X)	17,211
	Mowers, cutter-bar type:								
35226 11	Drawn	8	14,716	13,920	4,515	10,003	3,294	3,917	1,221
35226 12	Semimounted	6	11,475	11,542	3,425	11,161	3,338	381	87
	Mounted:								
35226 14	Rear	8	29,865	29,653	7,066	26,817	6,326	2,836	740
35226 16	Side	8	6,332	7,374	2,053	7,142	1,990	232	63
	Rakes:								
	Side delivery (including combination side rakes and tedders), cylinder type:								
35226 26	Ground driven	8	26,064	26,129	10,095	21,826	8,381	4,303	1,714
	Power take-off:								
35226 28	Mounted	6	4,063	4,276	1,217	3,796	1,071	480	146
35226 29	Semimounted								
35226 30	Side delivery (finger wheel type)	3	7,537	7,537	1,940	7,537	1,940	(D)	(D)
35226 41	Hay stacking attachment for loaders	6	4,964	4,685	1,366	4,685	1,366	(D)	(D)
	Pick-up hay balers:								
	Wire:								
35226 51	Engine driven	8	1,325	1,595	4,179	1,515	3,993	80	186
35226 53	Tractor power take-off	8	3,060	3,182	5,090	2,971	4,787	211	303
	Twine:								
35226 55	Engine driven	7	1,941	2,087	3,840	1,917	3,487	170	353
35226 57	Tractor power take-off	8	39,931	40,246	49,266	33,811	41,066	6,435	8,200
	Hay conditioners:								
35226 61	Crimpers (one or both rollers corrugated)	12	8,102	8,588	4,066	8,303	3,910	285	156
35226 62	Crushers (smooth rollers)	10	8,241	8,584	4,862	7,670	4,360	914	502
35226 63	Hay crusher or hay conditioner attachments	3	1,602	1,451	809	1,451	809	(D)	(D)
35226 64	Bale throwing attachments for hay balers	5	8,087	7,779	2,596	7,779	2,596	(D)	(D)
35226 65	Hay bale loaders (field type)	12	2,614	2,518	476	2,518	476	(D)	(D)
35226 81	Other haying machinery	15	(X)	(X)	2,256	(X)	2,256	(D)	(D)
35226 83	Other attachments	14	(X)	(X)	4,096	(X)	3,623	(X)	473
35226 85	Parts	26	(X)	(X)	18,537	(X)	17,509	(X)	1,028
35228 --	FARM DAIRY MACHINES AND EQUIPMENT, TOTAL[5]	30	(X)	(X)	17,333	(X)	15,853	(X)	1,480
	Mechanical installations:								
35228 03	Pumping outfits - stationary and portable	11	24,000	25,316	3,002	25,316	3,002	(D)	(D)
	Pail-type milking machines:								
35228 05	Suspended units	9	15,824	16,332	1,229	16,332	1,229	(D)	(D)
35228 06	Floor type (single unit)	11	17,436	17,123	1,329	15,674	1,176	1,449	153
35228 07	Floor type (double unit)								
35228 08	Pipeline milker units (individual clusters)	(X)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Cream separators, hand or power operated:								
35228 09	Capacity 500 pounds or less per hour, including bench type[5]	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35228 11	Capacity 501-800 pounds per hour	-	-	-	-	-	-	-	-
35228 12	Capacity 801-1,500 pounds per hour	-	-	-	-	-	-	-	-
35228 13	Farm milk coolers, not mechanically refrigerated	11	(X)	(X)	2,987	(X)	2,987	(X)	(X)
35228 14	Butter churns (farm size)								
35228 15	Other farm dairy machines and equipment								
35228 16	Attachments[6]	15	(X)	(X)	8,776	(X)	8,202	(X)	574
35228 17	Parts[6]								
35228 --	SPRAYERS AND DUSTERS, TOTAL	99	(X)	(X)	49,251	(X)	42,868	(X)	6,383
	Power sprayers (except aircraft sprayers and dusters):								
35228 18	Self-propelled	7	2,295	2,002	4,161	1,954	4,059	48	102
	Not self-propelled:								
	Air-carried type:								
	Blower attachments:								
35228 19	For orchard use	6	192	222	319	222	319	(D)	(D)
35228 21	For other use								
	Complete units:								
35228 22	For orchard use	10	1,263	1,265	4,420	1,195	4,281	70	139
35228 23	For field and row crop use	11	2,722	2,551	947	2,551	947	(D)	(D)
35228 24	For other uses								

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 --	SPRAYERS AND DUSTERS--Continued								
	Power sprayers (except aircraft sprayers and dusters)--Continued								
	Not self-propelled--Continued								
	Other than air-carried type:								
	Complete units:								
	Plunger-type pump sprayers:								
	Under 8 g.p.m. discharge								
35228 25	Engine driven	14	3,735	3,681	1,650	3,196	1,428	485	222
	Tractor power take-off driven:								
35228 26	Pump mounted directly on tractor power take-off shaft	22	13,561	13,554	901	12,917	837	637	64
35228 27	Pump mounted other than on tractor power take-off shaft								
	8 g.p.m. discharge and over:								
35228 28	Engine driven	11	3,292	3,349	3,595	3,349	3,595	(D)	(D)
	Tractor power take-off driven:								
35228 29	Pump mounted directly on tractor power take-off shaft	10	5,056	4,914	616	4,914	616	(D)	(D)
35228 31	Pump mounted other than on tractor power take-off shaft	9	755	768	846	702	776	66	70
	Other than plunger-type pump sprayers (rollers, gear, etc.):								
35228 32	Engine driven	12	1,083	1,199	548	1,199	548	(D)	(D)
	Tractor power take-off driven:								
35228 33	Pump mounted directly on tractor power take-off shaft	23	26,678	26,215	4,222	25,882	4,174	333	48
35228 34	Pump mounted other than on tractor power take-off shaft								
	Wheeled-mounted, hand pulled type:								
35228 37	Tank of 16 gallons capacity and under	8	5,327	5,329	554	4,900	486	429	58
35228 38	Tank of over 16 gallons capacity	11	1,641	1,920	347	1,823	326	97	21
	Hand sprayers, agricultural (except flame):								
35228 39	Under 1 gallon	7	5,400,750	5,550,373	2,198	5,145,510	2,031	404,863	167
	1 gallon and over:								
35228 41	Compressed air or gas	9	1,188,545	1,104,843	6,478	1,020,524	5,860	84,319	618
35228 42	Knapsack (liquid pump)	6	43,224	46,337	694	40,391	574	5,946	120
35228 43	Wheel barrow	5	1,827	1,671	53	1,671	53	(D)	(D)
35228 44	Hose-end sprayers	9	772,322	807,799	1,674	807,799	1,674	(D)	(D)
35228 45	Flame sprayers, hand	8	18,569	20,595	353	18,768	316	1,827	37
	Spray pumps:								
35228 46	Power driven, plunger-type	9	5,100	5,201	786	5,201	786	(D)	(D)
35228 47	Power driven, except plunger-type	8	21,462	23,995	739	23,995	739	(D)	(D)
35228 48	Hand driven (bucket, barrel, slide, etc.)	9	92,772	84,813	370	84,813	370	(D)	(D)
	Dusters:								
	Power:								
35228 49	Engine driven	4	179	179	31	179	31	(D)	(D)
35228 51	Tractor power take-off	14	2,757	2,750	485	2,571	460	179	25
35228 52	Traction, all types	4	692	651	105	651	105	(D)	(D)
	Hand types:								
35228 53	Crank or knapsack type	7	9,318	12,786	189	11,616	162	1,170	27
35228 54	Plunger type	7	306,893	293,761	377	281,554	362	12,207	15
35228 55	Attachments	19	(X)	(X)	2,697	(X)	2,470	(X)	227
35228 56	Parts	44	(X)	(X)	8,906	(X)	6,880	(X)	2,026
35228 --	FARM ELEVATORS AND BLOWERS, TOTAL	87	(X)	(X)	27,994	(X)	26,298	(X)	1,695
	Farm elevators, portable:								
	Single chain:								
35228 61	Bale type only	18	18,755	17,892	1,434	15,873	1,307	2,019	127
35228 62	All other	16	5,065	4,480	796	4,405	779	75	17
	Double chain:								
35228 63	Under 16 feet length	27	18,756	19,120	8,278	17,955	8,012	1,165	266
35228 64	16 feet length and over								

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 --	FARM ELEVATORS AND BLOWERS--Continued								
	Farm elevators, portable--Continued								
	Auger type:								
35228 65	4 in. and smaller diameter	13	33,801	34,936	1,056	29,574	928	5,362	128
	Over 4 in. diameter:								
35228 66	With truck	10	46,751	45,974	5,443	45,974	5,443	(D)	(D)
35228 67	Without truck	15	24,923	23,882	2,876	23,882	2,876	(D)	(D)
35228 68	Farm elevators, stationary	11	539	550	495	523	476	27	19
35228 69	Forage blowers, including combination grain and forage blowers	14	7,530	8,370	4,089	7,879	3,859	491	230
35228 71	Other farm elevators	10	(NA)	(NA)	1,012	(NA)	1,012	(D)	(D)
35228 72	Other farm blowers								
35228 73	Attachments for farm elevators	11	(X)	(X)	859	(X)	842	(X)	17
35228 74	Attachments for farm blowers	8	(X)	(X)	373	(X)	358	(X)	15
35228 75	Parts for farm elevators	19	(X)	(X)	901	(X)	885	(X)	16
35228 76	Parts for grain and forage blowers	8	(X)	(X)	382	(X)	382	(X)	(D)
35228 81 35228 85	GARDEN TRACTORS, MOTOR TILLERS, ATTACHMENTS, AND PARTS	(X)	(X)	(X)	74,722	(X)	71,003	(X)	3,719
	Garden tractors (including motor tillers), total	(X)	353,409	344,774	54,275	324,436	51,732	20,339	2,543
	Garden tractors (except motor tillers), total[13]	(X)	105,369	103,203	34,394	98,038	33,039	5,165	1,355
	Riding type, total	(X)	76,999	75,844	29,710	75,844	29,710	(D)	(D)
35228 81	Under 5.5 engine hp	9	27,015	26,611	9,016	26,611	9,016	(D)	(D)
35228 82	5.5 to 6.9 engine hp								
35228 83	7.0 engine hp. and over	10	49,984	49,233	20,694	47,960	20,161	1,273	533
	Walking type, total	(X)	28,370	27,359	4,684	27,359	4,684	(D)	(D)
35228 84	Under 5.5 engine hp								
35228 85	5.5 to 6.9 engine hp	(X)	28,370	27,359	4,684	27,359	4,684	(D)	(D)
35228 86	7.0 engine hp. and over								
	Motor tillers, total	(X)	248,040	241,571	19,881	226,397	18,693	15,174	1,188
35228 87	2 engine hp. and under								
35228 88	Over 2 engine hp. and under 6 engine hp	21	248,040	241,571	19,881	226,397	18,693	15,174	1,188
35228 89	6 engine hp. and over								
35228 91, 92	Attachments for garden type[2]	23	(X)	(X)	15,758	(X)	14,783	(X)	975
35228 93	Parts for garden type (replacement and repair)[2]	18	(X)	(X)	4,689	(X)	4,488	(X)	201
35228 15	CULTIVATORS AND WEEDERS, TOTAL	104	(X)	(X)	60,195	(X)	55,883	(X)	4,312
	Corn and cotton type cultivators:								
35229 01	Drawn[14]	(X)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Mounted:								
35229 02	1-row	7	6,850	6,408	636	6,408	636	(D)	(D)
	2-row:								
35229 03	Front mounted	6	6,028	6,722	581	6,579	552	143	29
35229 04	Rear mounted	11	3,564	4,738	985	4,314	891	424	94
	4-row:								
35229 05	Front mounted	6	12,957	13,562	5,788	13,562	5,788	(D)	(D)
35229 06	Rear mounted	12	23,185	22,761	10,181	22,546	10,081	215	100
	6-row and larger:								
35229 08	Front mounted	8	1,967	1,466	984	1,466	984	(D)	(D)
35229 09	Rear mounted								
35229 10	Beet, bean, and vegetable cultivators, drawn or mounted	6	1,587	1,724	334	1,724	334	(D)	(D)
35229 11	Rotary hoe cultivator sections, drawn or mounted	33	63,134	65,904	7,053	65,213	6,975	691	78
	Field cultivators:								
35229 13	Drawn	7	12,207	12,265	3,130	12,265	3,130	(D)	(D)
35229 14	Mounted	5	2,387	2,226	829	2,226	829	(D)	(D)
	Tool bars and tool bar carriers (basic unit only):								
35229 15	Drawn	16	23,630	25,158	5,894	25,158	5,894	(D)	(D)
35229 16	Mounted								
35229 17	Rod weeders (drawn or mounted)	7	10,869	9,472	1,424	9,472	1,424	(D)	(D)
35229 18	Other cultivators and weeders[14]	21	(X)	(X)	2,897	(X)	2,833	(X)	64
35229 19	Attachments	32	(X)	(X)	6,823	(X)	6,312	(X)	511
35229 20	Parts	36	(X)	(X)	12,597	(X)	11,989	(X)	608

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 21	MACHINES FOR PREPARING CROPS FOR MARKET OR FOR USE, TOTAL	143	(X)	(X)	48,789	(X)	46,186	(X)	2,603
35229 21	Peanut pickers and threshers (stationary machines)	-	-	-	-	-	-	-	-
	Corn shellers, power:								
35229 22	Capacity 500 bushels per hour and under	9	1,428	1,645	1,559	1,645	1,599	(D)	(D)
35229 23	Capacity over 500 bushels per hour								
	Feed grinders and crushers, power:								
35229 24	Hammer mills, with hammers only	26	7,201	7,395	2,454	6,129	2,214	1,266	240
35229 25	Burr mills, with grinding plates only	11	5,837	5,437	1,609	4,675	1,533	762	76
35229 26	Combination roughage mills								
35229 27	Roller mills	12	2,473	2,543	1,379	2,319	1,272	224	107
	Feed mixers (farm size):								
35229 28	Stationary	8	547	604	302	604	302	(D)	(D)
35229 29	Portable	6	3,757	3,854	2,066	3,854	2,066	(D)	(D)
	Combination grinder-mixers:								
35229 30	Stationary	7	851	857	394	857	394	(D)	(D)
35229 31	Portable	18	12,033	11,328	15,159	10,727	14,484	601	675
35229 32	Tobacco curers	8	16,943	16,869	3,358	16,869	3,358	(D)	(D)
	Driers, grain, hay, and seed:								
	Heated air crop driers:								
	Batch type:								
35229 33	Power take-off operated	7	308	433	1,275	433	1,275	(D)	(D)
35229 34	Electric motor operated	9	3,836	3,861	2,061	3,861	2,061	(D)	(D)
35229 35	Continuous flow type	6	453	467	3,114	467	3,114	(D)	(D)
	Crop drying fans (over 15,000 c.f.m. at approximately one inch pressure):								
35229 36	24 inches and under diameter	13	3,042	3,375	1,534	3,375	1,534	(D)	(D)
35229 37	Over 24 inches diameter								
35229 38	Other machines for preparing crops for market or for use	73	(X)	(X)	6,241	(X)	5,562	(X)	679
35229 39	Attachments	15	(X)	(X)	2,199	(X)	2,057	(X)	142
35229 40	Parts	39	(X)	(X)	4,085	(X)	3,905	(X)	180
35228 31	FARM POULTRY EQUIPMENT, TOTAL	98	(X)	(X)	42,832	(X)	39,234	(X)	3,598
	Incubators (quantity in total egg capacity):								
35229 43	Chicken egg (2,000 egg capacity and over)	8	27,082,092	24,666,045	3,751	14,424,207	2,576	10,241,838	1,175
35229 44	Turkey egg (2,000 egg capacity and over)	10	2,076,657	1,795,023	423	1,647,930	389	147,093	34
35229 45	All other incubators (under 2,000 egg capacity)								
	Brooders, floor:								
35229 46	Electric	15	37,511	38,537	173	37,647	161	890	12
35229 47	Oil	7	3,534	3,543	103	2,597	82	946	21
35229 48	Gas	13	107,348	108,896	2,545	101,711	2,336	7,185	209
35229 49	Coal and wood	5	4,892	4,892	204	4,892	204	(D)	(D)
35229 51	Brooders, battery (starting and growing) (quantity in number of decks)	9	5,543	5,926	145	5,486	129	440	16
	Nests (hole and colony-type) (total linear footage):								
35229 52	Hand-gathered	26	2,412,825	2,424,354	3,007	2,367,432	2,924	56,922	83
35229 53	Mechanical-gathered	5	171,234	172,519	1,096	172,519	1,096	(D)	(D)
35229 54	Laying cages (total square feet of floor area)	16	3,242,098	3,238,483	2,981	3,238,483	2,981	(D)	(D)
	Poultry feeders (except chick feeders):								
35229 55	Trough (except automatic) (total linear footage)	22	526,394	546,964	288	546,964	288	(D)	(D)
35229 56	Hanging	18	651,126	659,538	1,131	618,926	1,074	40,612	57
35229 57	Automatic (total linear footage of conveyor)	19	6,521,774	6,579,575	9,874	5,999,449	9,209	580,126	665
35229 58	Chick feeders	18	398,489	412,975	329	389,304	315	23,671	14
	Poultry waterers:								
35229 59	Trough (total linear footage)	27	2,640,448	2,631,765	2,952	2,543,858	2,823	87,907	129
35229 61	Automatic fountains	25	455,126	486,961	575	419,258	506	67,703	69
35229 62	All other waterers	20	1,813,824	1,876,075	944	1,596,325	869	279,750	75

See footnotes at end of table.

TABLE 6A-8. Farm Machines and Equipment: 1967 and 1963—Continued

1963 Census product code	Type of farm equipment	1963							
		Number of companies	Number produced	Manufacturers' shipments					
				Total		Domestic		For export	
				Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
35228 31	FARM POULTRY EQUIPMENT--Continued								
35229 63	Poultry house cleaners	(X)	(D)	(D)	(D)	(D)	(D)	-	-
35229 64	Room egg coolers (2 hp. and under)	(X)	(D)	(D)	(D)	(D)	(D)	-	-
35229 65	Egg cooler cabinets	(X)	(D)	(D)	(D)	(D)	(D)	-	-
35229 66	Egg washers (farm type - 12 cases and under per hour)	10	1,559	1,584	541	1,584	541	(D)	(D)
35229 67	Other farm poultry equipment	39	(X)	(X)	8,347	(X)	8,059	(X)	288
35229 68	Attachments	12	(X)	(X)	840	(X)	840	(X)	(D)
35229 69	Parts	23	(X)	(X)	1,857	(X)	1,505	(X)	352
35228 41	BARN EQUIPMENT, TOTAL	62	(X)	(X)	17,986	(X)	17,399	(X)	587
35229 71	Feed and litter carriers (overhead)	12	1,977	1,816	99	1,816	99	(D)	(D)
35229 72	Feed trucks	15	2,290	2,320	154	2,320	154	-	-
35229 73	Dairy cattle stalls for use with stanchions	21	48,052	48,640	799	48,640	799	(D)	(D)
35229 74	Chair tie stalls (all types)	19	50,670	50,506	795	50,506	795	(D)	(D)
35229 75	Milking parlor stalls	9	7,167	7,270	735	7,270	735	(D)	(D)
35229 76	Panel type milking or feeding stalls	8	22,492	22,529	281	22,529	281	-	-
35229 77	Stanchions, swing type	18	103,565	100,555	681	98,671	670	1,884	11
35229 78	Livestock pens (dairy and hog) (quantity in number of feet)	21	60,196	59,804	780	59,804	780	(D)	(D)
35229 79	Livestock water bowls, inside	19	258,127	257,313	1,295	257,213	1,295	(D)	(D)
35229 81	Barn cleaners	20	8,737	9,003	8,234	8,448	7,809	555	425
35229 82	Other barn equipment	20	(X)	(X)	620	(X)	620	(X)	(D)
35229 83	Attachments	11	(X)	(X)	1,074	(X)	1,074	(X)	(D)
35229 84	Parts	18	(X)	(X)	2,439	(X)	2,439	(X)	(D)
35228 41	BARNYARD EQUIPMENT, TOTAL	140	(X)	(X)	48,599	(X)	47,146	(X)	1,453
	Silo unloaders:								
35229 85	For tower silo	24	15,091	15,682	14,509	14,793	13,642	889	867
35229 86	For horizontal silos								
35229 87	Electric powered bunk feeders	23	8,339	8,499	3,822	8,187	3,619	312	203
35229 88	Animal stock tanks	30	178,957	175,558	4,834	175,558	4,834	-	-
35229 89	Hog troughs	22	131,062	129,348	236	129,348	236	(D)	(D)
35229 91	Livestock outside watering bowls	18	82,389	80,229	3,041	80,229	3,041	(D)	(D)
35229 92	Hog waterers	31	167,919	180,914	3,296	180,914	3,296	(D)	(D)
35229 93	Livestock water heaters	20	98,727	85,217	1,787	85,217	1,787	(D)	(D)
	Hog feeders:								
35229 94	Metal	39	219,717	211,422	8,103	210,486	8,072	936	31
35229 95	Wood	9	16,775	16,289	899	16,289	899	-	-
35229 96	Other barnyard equipment	47	(X)	(X)	6,206	(X)	6,071	(X)	135
35229 97	Attachments	14	(X)	(X)	472	(X)	472	(X)	(D)
35229 98	Parts	17	(X)	(X)	1,394	(X)	1,394	(X)	(D)

Note: The Census product codes shown in parentheses associated with product groups represent those codes used in the 1967 and 1963 Census of Manufactures and correspond to those Census product codes in table 6A. Other 7-digit product codes represent those used in Current Industrial Reports M35A or M35S for 1967 and 1963.

Source: Current Industrial Reports Series M35S, Tractors (product codes 3522104-23); and Current Industrial Reports Series M35A, Farm Machinery and Equipment (product codes 3522203-3522998).

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. Data for these products are included, however in the totals. (S) Withheld because data did not meet publication standards on the basis of a consistency review.

[1]The horsepower rating for these tractors is based on the maximum observed P.T.O. horsepower.

[2]Data are limited to attachments and parts shipped by companies manufacturing complete tractors.

[3]The 1967 data for pickers-shellers (drawn, mounted, or self-propelled) and field shelling attachments for corn pickers, including conversion packages are combined with "Other harvesting machinery."

[4]Data for hay crusher or hay conditioner attachments are included in "Other attachments."

[5]Excludes pipeline milker units.

[6]Data for cream separators capacity 500 pounds or less per hour included with parts and attachments.

[7]Data for drawn corn and cotton type cultivators are combined with "Other cultivators and weeders."

[8]Respondents were requested to use the following definition: Batch driers are defined as any dryer, wherein the product to be dried is placed in the dryer, the complete drying and cooling operation performed, then the product removed, to the place of storage or further processing. The term usually refers to driers for small grain, seed, etc., which are self-contained machines comprising a drying compartment, either horizontal or vertical, to contain the product being dried while heated air is forced or drawn through it from a central portion (usually called a plenum chamber). Cooling is usually carried out in the same manner. Integral conveying equipment provides for loading and/or unloading the dryer. Also included are the fan, burner, and control system. Batch driers are usually portable, but may be stationary.

[9]Respondents were requested to use the following definition: Continous-flow driers are defined as any dryer wherein the product to be dried is in continous movement through the dryer and air movement is continous, in contrast to batch operation.

[10]Respondents were requested to use the following definition: Heated-air units are defined as basic heated-air-producing units including fan, burner system, and electrical system. It is usually coupled to drying structure by means of a flexible duct. It may have transport chassis and wheels for portability.

[11]Data for power feed carts are included with "Other farm poultry equipment."

[12]Data for hog pens are included in "Other hog equipment."

[13]Respondents were requested to use the following definition: Garden tractors are defined as tractors weighing less than 1,200 pounds (basic machines), typically powered by air-cooled engines with fewer than four cylinders and total piston displacement of under 45 cubic inches. Such tractors are further distinguished from farm tractors in that they usually carry an engine horsepower rating but not a belt horsepower rating.

[14]Data for drawn corn and cotton type cultivators included with other cultivators and weeders.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
GASOLINE ENGINES UNDER 11 HP, EXCEPT AIRCRAFT, AUTOMOBILE, TRUCK, BUS, AND TANK (35191)		
United States	215.5	(NA)
North Central Region	214.8	(NA)
East North Central Div.	GG	(NA)
Ohio	CC	(NA)
Wisconsin	190.8	(NA)
West North Central Div.	EE	(NA)
Iowa	EE	(NA)
GASOLINE ENGINES, 11-OVER HP, EXCEPT AIRCRAFT, AUTOMOBILE, TRUCK, BUS, AND TANK (35192)		
United States	171.4	(NA)
Northeast Region	AA	(NA)
North Central Region	159.3	(NA)
East North Central Div.	150.8	(NA)
Ohio	EE	(NA)
Indiana	AA	(NA)
Illinois	EE	(NA)
Michigan	51.2	(NA)
Wisconsin	67.6	(NA)
West North Central Div.	8.5	(NA)
Minnesota	BB	(NA)
Iowa	BB	(NA)
South Region	EE	(NA)
East South Central Div.	CC	(NA)
Kentucky	CC	(NA)
DIESEL ENGINES (EXCEPT FOR TRUCKS AND BUSES) (35193)		
United States	447.9	(NA)
Northeast Region	EE	(NA)
Middle Atlantic Div.	EE	(NA)
New York	EE	(NA)
Pennsylvania	AA	(NA)
North Central Region	428.1	(NA)
East North Central Div.	GG	(NA)
Ohio	BB	(NA)
Indiana	GG	(NA)
Illinois	175.3	(NA)
Michigan	GG	(NA)
Wisconsin	24.2	(NA)
West North Central Div.	CC	(NA)
Iowa	CC	(NA)
West Region	CC	(NA)
Pacific Div.	CC	(NA)
California	CC	(NA)

Product class and geographic area	Value of shipments	
	1967	1963
DAIRY MACHINES, SPRAYERS, ELEVATORS, AND TRACTORS (35222)		
United States	339.8	(NA)
Northeast Region	19.9	(NA)
Middle Atlantic Div.	19.9	(NA)
New York	15.4	(NA)
New Jersey	BB	(NA)
Pennsylvania	AA	(NA)
North Central Region	245.4	(NA)
East North Central Div.	205.4	(NA)
Ohio	6.6	(NA)
Indiana	26.4	(NA)
Illinois	52.9	(NA)
Michigan	8.5	(NA)
Wisconsin	110.9	(NA)
West North Central Div.	40.1	(NA)
Minnesota	14.0	(NA)
Iowa	10.4	(NA)
Missouri	4.4	(NA)
Nebraska	4.8	(NA)
Kansas	5.3	(NA)
South Region	68.5	(NA)
South Atlantic Div.	FF	(NA)
West Virginia	EE	(NA)
North Carolina	3.5	(NA)
Georgia	BB	(NA)
Florida	BB	(NA)
East South Central Div.	FF	(NA)
Kentucky	FF	(NA)
Tennessee	CC	(NA)
Mississippi	CC	(NA)
West South Central Div.	2.7	(NA)
Texas	1.5	(NA)
West Region	6.0	(NA)
Pacific Div.	5.9	(NA)
Washington	AA	(NA)
California	BB	(NA)
PLANTING, SEEDING, AND FERTILIZING MACHINERY (35223)		
United States	183.0	115.7
Northeast Region	7.9	6.3
Middle Atlantic Div.	CC	(1)
Pennsylvania	CC	(1)
North Central Region	160.3	97.0
East North Central Div.	113.6	70.1
Ohio	CC	7.0
Indiana	12.1	5.6
Illinois	70.2	40.5
Michigan	AA	(D)
Wisconsin	20.9	16.1
West North Central Div.	46.7	26.9
Minnesota	11.9	8.1
Iowa	17.7	12.7
Missouri	BB	(1)
North Dakota	BB	(D)
South Dakota	BB	(D)
Nebraska	6.6	(D)
Kansas	1.6	(D)

Product class and geographic area	Value of shipments	
	1967	1963
PLANTING, SEEDING, AND FERTILIZING MACHINERY (35223) --Con.		
South Region	12.7	10.9
South Atlantic Div.	4.7	(D)
North Carolina	AA	(1)
Georgia	AA	(D)
East South Central Div.	3.2	(D)
Alabama	AA	(1)
Mississippi	1.2	(D)
West South Central Div.	4.8	(D)
Arkansas	1.1	(D)
Oklahoma	AA	(D)
Texas	1.4	(D)
West Region	2.1	1.6
Pacific Div.	1.3	(D)
PLOWS, ROLLERS, PULVERIZERS, STALK CUTTERS, ETC (35224)		
United States	281.1	192.8
Northeast Region	2.2	1.8
Middle Atlantic Div.	2.2	(1)
Pennsylvania	2.2	(1)
North Central Region	203.7	135.0
East North Central Div.	166.6	117.5
Ohio	AA	(D)
Indiana	FF	(1)
Illinois	128.6	93.5
Wisconsin	14.7	(1)
West North Central Div.	37.2	17.5
Minnesota	4.4	3.7
Iowa	18.6	5.3
Missouri	1.8	(D)
Nebraska	AA	1.4
Kansas	9.5	5.4
South Region	57.3	39.9
South Atlantic Div.	13.3	9.5
North Carolina	1.7	(D)
Georgia	10.0	8.4
East South Central Div.	24.9	15.8
Tennessee	10.7	6.4
Alabama	CC	(1)
Mississippi	CC	(1)
West South Central Div.	19.1	14.6
Arkansas	1.9	(D)
Louisiana	BB	(1)
Oklahoma	AA	(D)
Texas	13.7	10.8
West Region	17.9	16.3
Mountain Div.	3.6	2.8
Idaho	AA	2.6
Colorado	BB	(1)
Pacific Div.	14.4	13.5
California	14.3	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
HARVESTING MACHINERY (35225)		
United States	580.7	395.3
Northeast Region	BB	(D)
Middle Atlantic Div.	BB	(D)
New York	1.5	1.0
Pennsylvania	BB	(1)
North Central Region	526.1	333.6
East North Central Div.	317.5	206.5
Ohio	FF	(1)
Indiana	24.8	(1)
Illinois	GG	149.9
Michigan	2.1	(D)
Wisconsin	26.1	19.1
West North Central Div.	208.6	127.1
Minnesota	6.8	9.0
Iowa	98.4	76.4
Missouri	GG	(1)
North Dakota	BB	(1)
Nebraska	FF	(1)
Kansas	BB	(1)
South Region	FF	(D)
South Atlantic Div.	15.7	(D)
Virginia	AA	(1)
North Carolina	BB	(1)
Georgia	CC	(1)
Florida	3.1	(D)
East South Central Div.	CC	(D)
Tennessee	CC	(1)
West South Central Div.	8.6	(D)
Louisiana	7.3	(1)
West Region	20.4	13.4
Mountain Div.	7.3	6.0
Idaho	5.6	2.6
Colorado	AA	(D)
Pacific Div.	13.1	7.5
California	11.7	(1)
HAYING MACHINERY (35226)		
United States	148.8	133.8
Northeast Region	GG	(D)
Middle Atlantic Div.	GG	(D)
Pennsylvania	GG	(1)
North Central Region	72.7	74.7
East North Central Div.	15.0	37.4
Ohio	BB	(1)
Indiana	AA	(1)
Illinois	8.4	24.5
Wisconsin	AA	(D)
HAYING MACHINERY (35226)--Con.		
North Central Region--Con.		
West North Central Div.	57.7	37.3
Minnesota	5.2	4.8
Iowa	FF	27.9
South Dakota	1.0	(1)
Kansas	EE	1.1
South Region	EE	(D)
South Atlantic Div.	BB	(D)
North Carolina	BB	(D)
East South Central Div.	EE	(D)
Tennessee	EE	(D)
West Region	3.1	(D)
Mountain Div.	AA	(D)
Pacific Div.	AA	(D)
Oregon	AA	(D)
LAWNMOWERS AND SNOW BLOWERS (35227)		
United States	388.5	268.7
Northeast Region	6.0	6.5
New England Div.	2.2	(D)
Connecticut	AA	(1)
Middle Atlantic Div.	3.8	(D)
Pennsylvania	BB	(1)
North Central Region	316.4	211.1
East North Central Div.	228.4	139.7
Ohio	86.8	61.5
Indiana	FF	25.3
Illinois	43.4	23.1
Michigan	FF	(1)
Wisconsin	41.9	(1)
West North Central Div.	88.0	71.4
Minnesota	FF	22.1
Iowa	FF	9.0
Missouri	9.6	27.8
Nebraska	EE	(1)
Kansas	1.8	(1)
South Region	61.9	46.4
South Atlantic Div.	18.3	12.0
Maryland	BB	(D)
Virginia	AA	(D)
South Carolina	AA	(D)
Georgia	EE	(1)
Florida	1.8	1.9
East South Central Div.	40.7	31.2
Tennessee	AA	(D)
Alabama	CC	(1)
Mississippi	29.4	(1)
LAWNMOWERS AND SNOW BLOWERS (35227)--Con.		
South Region--Con.		
West South Central Div.	2.9	3.3
Texas	1.7	(1)
West Region	4.2	4.6
Pacific Div.	4.2	(D)
California	4.2	(D)
ALL OTHER FARM MACHINERY AND EQUIPMENT (35228)		
United States	403.9	555.9
Northeast Region	16.9	40.2
Middle Atlantic Div.	16.6	39.7
New York	1.7	17.9
New Jersey	2.2	2.7
Pennsylvania	12.7	19.2
North Central Region	314.4	408.6
East North Central Div.	163.6	272.4
Ohio	EE	29.9
Indiana	20.8	35.0
Illinois	68.7	91.9
Michigan	EE	33.6
Wisconsin	42.9	82.0
West North Central Div.	150.9	136.2
Minnesota	20.3	36.2
Iowa	83.3	66.8
Missouri	BB	6.9
South Dakota	AA	(D)
Nebraska	18.9	10.4
Kansas	21.0	14.2
South Region	48.0	71.3
South Atlantic Div.	32.1	38.9
Delaware	AA	(D)
Maryland	CC	(1)
Virginia	1.9	3.6
North Carolina	9.2	9.0
South Carolina	AA	(1)
Georgia	12.7	9.6
East South Central Div.	5.3	23.9
Tennessee	AA	8.3
Alabama	BB	(1)
West South Central Div.	10.7	8.5
Arkansas	AA	1.1
Louisiana	BB	(D)
Oklahoma	1.9	1.6
Texas	4.9	5.2
West Region	24.5	35.8
Mountain Div.	9.3	5.5
Montana	AA	(D)
Colorado	4.6	3.7
Utah	BB	(D)
Pacific Div.	15.2	30.3
Washington	BB	3.9
Oregon	AA	2.4
California	11.0	24.0

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to &10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3511-	Steam engines and turbines	1,059.3	694.4	622.9	606.3	589.1	754.0	426.2	119.0
35111	Steam, gas and hydraulic turbine generator set units and parts	714.5	693.7	390.3	605.1	589.1	489.5	317.3	67.2
35112	Steam, gas and hydraulic turbine and parts; steam engines and parts	344.7		231.8			264.5	108.9	51.8
35110	Steam engines and turbines, n.s.k.	-	0.7	0.8	1.2	-			
3519-	Internal combustion engines, n.e.c.	2,187.6	2,114.3	1,761.6	1,589.0	1,423.9	1,132.0	(NA)	(NA)
35191	Gasoline engines under 11 hp. except aircraft, auto	215.5	407.2	323.7	304.6	270.1	230.2	192.5	165.7
35192	Gasoline engines, 11-over hp. except aircraft, auto	171.4							
35193	Diesel engines (except for trucks and buses)	447.9	447.5	407.2	517.5	464.4	314.5	247.1	(NA)
35194	Diesel engines (for trucks and buses)	233.2	242.2	199.7					
35195	Outboard motors	(2)	(2)	(2)	(2)	(2)	157.9	76.0	50.0
35196	Gas engines (except gas turbines)	22.6	17.2	18.3	21.2	22.1	17.7	26.0	18.1
35197	Tank and converted internal combustion engines	[2]267.1	[2]249.0	192.5	[2]183.3	[2]183.8	31.0	(NA)	(NA)
35199	Parts and accessories for internal combustion engines	816.0	748.7	617.8	559.1	480.6	379.4	289.9	194.8
35190	Internal combustion engines, n.e.c., n.s.k.	13.9	2.6	2.4	(3.2)	2.9	1.3	(NA)	(NA)
3522-	Farm machinery and equipment	4,077.3	3,867.1	3,142.4	2,873.2	2,542.1	2,172.9	1,693.8	1,286.0
35221	Wheel tractors, and parts and attachments (except garden and contractors' off-highway[3]	1,040.2	1,350.8	1,082.3	931.3	808.4	687.3	562.6	480.9
35222	Dairy mach. sprayers, elevators, garden tractors[3]	339.8	(4)	(4)	(4)	(4)	(4)	(4)	(4)
35223	Planting, seeding, and fertilizing machinery[3]	183.0	155.6	137.3	131.0	115.7	96.0	93.6	74.0
35224	Plows, listers, harrows, rollers, pulverizers, and stalk cutters, and parts[3]	281.1	275.7	232.4	220.7	192.8	160.6	137.1	141.0
35225	Harvesting machinery and parts[3]	580.7	607.0	513.3	439.6	395.3	321.4	252.6	191.6
35226	Haying machinery and parts[3]	148.8	176.3	155.9	139.4	133.8	182.5	147.9	94.9
35227	Lawnmowers and parts, snow blowers[3]	388.5	375.1	294.9	286.0	268.7	239.8	138.4	71.1
35228	All other farm machinery and equipment[3]	403.9	[4]855.4	[4]670.6	[4]639.2	[4]555.9	[4]450.6	[4]361.6	[4]232.6
35229	Parts for farm machinery and equipment for sale separately	554.7	(3)	(3)	(3)	(3)	(3)	(3)	(3)
35220	Farm machinery n.s.k.	156.6	(71.2)	(55.6)	(85.9)	(71.5)	(34.7)	-	-

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses in the value of shipments columns either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

[2]Data for 35195, outboard motors are included with 35197 tank and converted internal combustion engines.

[3]For years prior to 1967, parts were included with the individual product classes whereas in 1967 parts are included in a separate product class, 35229.

[4]Data for 35222, dairy machines, sprayers, elevators, and garden tractors are included with 35228, all other farm machinery and equipment.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3511.--STEAM ENGINES AND TURBINES					
	Materials, parts, containers, and supplies, total	.....	(X)	432.2	(X)	219.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			10.0	1.8
331012	Sheet and strip	...do.....			18.6	3.7
331013	Plates	...do.....			70.9	9.6
331015	Structural shapes	...do.....			4.4	0.7
331019	All other carbon steel mill shapes and forms	...do.....			4.7	2.0
			158.2	60.4		
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do.....			3.7	2.4
331029	All other alloy steel mill shapes and forms	...do.....			4.0	4.1
331031	Stainless steel mill shapes and forms	...do.....			7.2	9.7
	Copper and copper-base alloy mill shapes and forms:					
335728	Bare wire (for electrical conduction)	Million lbs.....	(D)	(D)		
335790	Insulated wire and cable	Million lbs (copper content)	(D)	(D)	8.6	4.0
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....			11.7	6.8
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(D)	(D)	1.7	0.9
335127	Pipe and tube	...do.....			2.6	1.9
335208	Aluminum and aluminum-base alloy mill shapes and forms	...do.....	(D)	(D)	0.6	0.3
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons.	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do.....	13.1	8.4	10.2	5.7
332300	Steel	...do.....	(D)	(D)	19.7	25.0
336100	Aluminum and aluminum-base alloy	Million lbs.....	(D)	(D)	0.4	0.4
336200	Copper and copper-base alloy	...do.....	2.5	2.7	2.8	3.0
339100	Iron and steel forgings[1]	1,000 short tons.	(D)	(D)	16.6	31.5
362120	Integral horsepower motors and generators (1 hp. and over)[1]	1,000.....	(D)	(D)	1.9	9.6
	Bearings:					
356218	Ball	.....	(X)	0.9	(X)	0.3
356201	Roller	.....	(X)	1.9	(X)	0.1
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	337.1	(X)	94.9
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	20.8	(X)	0.6
	INDUSTRY 3519.--INTERNAL COMBUSTION ENGINES, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	1,042.6	(X)	694.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	47.6	11.5	32.6	6.8
331012	Sheet and strip	...do.....	98.2	20.0	42.3	9.2
331013	Plates	...do.....	11.0	2.1	15.0	2.2
331015	Structural shapes	...do.....	1.8	0.4	3.3	0.6
331019	All other carbon steel mill shapes and forms	...do.....	5.1	1.6	4.1	1.4
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	9.0	3.8	9.7	2.9
331029	All other alloy steel mill shapes and forms	...do.....			1.9	0.8
331031	Stainless steel mill shapes and forms	...do.....	2.8	3.6	1.6	1.7
	Copper and copper-base alloy mill shapes and forms:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	(D)	(D)		
335790	Insulated wire and cable	Million lbs..... copper content...	2.5	2.9	1.3	1.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	(NA)	6.8	0.5	0.3
335123	Plate, sheet, and strip, including military cups and discs	...do.....			13.1	5.6
335127	Pipe and tube	...do.....	(NA)	1.6	1.5	1.3
335208	Aluminum and aluminum-base alloy mill shapes and forms	...do.....	(D)	(D)	(D)	(D)
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons..	(D)	(D)	(D)	(D)
999808	Aluminum and aluminum-base alloy scrap (excluding home scrap)	...do.....	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3519.--INTERNAL COMBUSTION ENGINES, N.E.C.--Continued					
	Materials, parts, containers, and supplies--Continued					
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	295.3	128.8	161.3	62.3
332300	Steel	...do	5.8	2.8	2.0	2.0
336100	Aluminum and aluminum-base alloy	Million lbs.	71.0	48.1	34.3	24.4
336200	Copper and copper-base alloy	...do	(D)	(D)	1.1	0.8
339100	Iron and steel forgings[3]	1,000 short tons.	65.7	31.3	52.9	25.2
362120	Integral horsepower motors and generators (1 h.p. and over[3])	1,000	98.6	16.0	78.2	15.1
	Bearings:					
356218	Ball		(X)	5.6	(X)	3.3
356201	Roller		(X)	3.1	(X)	2.1
970099	All other materials and components, parts, containers, and supplies consumed		(X)	671.1	(X)	489.4
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	81.5	(X)	35.4
	INDUSTRY 3522.--FARM MACHINERY					
	Materials, parts, containers, and supplies, total		(X)	2,173.4	(X)	1,426.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	584.4	100.3	551.8	87.4
331012	Sheet and strip	...do	921.7	143.9	705.4	104.1
331013	Plates	...do	156.8	23.4	112.0	16.8
331015	Structural shapes	...do	106.5	17.1	81.1	12.2
331017	Wire and wire products	...do	32.1	8.0	23.2	4.8
331019	All other carbon steel mill shapes and forms	...do	[4]149.7	[4]35.2	137.0	28.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	52.4	10.7	48.7	10.9
331029	All other alloy steel mill shapes and forms	...do	24.2	7.1	12.7	4.1
331031	Stainless steel mill shapes and forms	...do	6.1	6.7	2.8	4.2
	Copper and copper-base alloy:					
335102	Rod, bar and mechanical wire, including extruded and /or drawn shapes	Million lbs.	2.3	1.6	2.6	1.0
335123	Plate, sheet and strip, including military cups and discs	...do	(NA)	3.6	0.5	0.3
335127	Pipe and tube	...do	([5])	([5])	13.7	4.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	7.1	2.7	6.9	3.0
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	(NA)	2.9	(NA)	2.6
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	(NA)	1.7	4.0	1.8
339915	Metal powders	...do	(D)	(D)	(NA)	(NA)
331051	Pig iron, excluding silvery iron	1,000 short tons.	112.3	7.0	134.3	7.8
999811	Iron and steel scrap	...do	335.0	13.0	320.8	13.4
	Castings (rough and semifinished):[6]					
332011	Iron (gray and malleable)	...do	557.8	195.3	212.5	64.7
332300	Steel	...do	(NA)	15.9	11.7	7.3
336100	Aluminum and aluminum-base alloy	Million lbs.	15.8	9.3	9.8	5.7
339100	Iron and steel forgings[6]	1,000 short tons.	117.4	44.3	89.6	35.4
	Engines:[6]					
351920	Diesel and semidiesel	1,000	109.2	76.9	58.2	28.1
351901	Gasoline and other carburetor	...do	3,796.0	160.7	3,243.7	108.9

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3522.--FARM MACHINERY--Continued					
	Materials, parts, containers, and supplies--Continued					
	Electric motors and generators:					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	...do	(NA)	9.4	117.6	2.4
362120	Integral horsepower motors and generators (1 hp. and over)	...do	133.7	9.2	68.0	4.5
	Bearings:					
356218	Ball		(X)	35.7	(X)	22.1
356201	Roller		(X)	19.7	(X)	16.3
301131	Pneumatic tires	1,000	3,757.4	74.0	2,511.8	47.9
301141	Inner tubes	...do	(NA)	19.6	4,125.0	9.0
970099	All other materials and components, parts, containers, and supplies consumed		(X)	916.6	(X)	645.7
976000	Materials,[2] parts, containers, and supplies, n.s.k.		(X)	201.9	(X)	121.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand.

[1]No data are available on the quantities of castings, iron and steel forgings, or integral horsepower electric motors or generators produced and consumed in the same establishment except for 1963 for copper and copper base alloy castings (0.6 million pounds) and iron and steel forgings (0.4 thousand short tons).

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]No data are available on the quantities of castings, iron and steel forgings, or integral horsepower motors and generators produced and consumed in in the same establishment except for 1963 for iron castings which totaled 38.2 thousand short tons.

[4]These figures are understated by $20 million or less because of apparent undercoverage of carbon steel pipe and tube.

[5]Included with material code 970099, "All other materials and components, etc."

[6]In addition, the following quantities were produced and consumed into products at the same establishment: For 1967, Iron castings, 301.4 thousand short tons; Aluminum and aluminum-base alloy castings, 6.0 million pounds; and Gasoline and other carburetor engines, 25.7 thousand units. Comparable data for 1963 are: Iron castings, 301.3 thousand short tons; Aluminum and aluminum-base alloy castings, 2.4 million pounds; Iron and steel forgings, 5.1 thousand short tons; Gasoline and other carburetor engines, 75.7 thousand units; and Fractional horsepower electric motors, 2.0 thousand units.

For industry 3522 no data are available for either 1967 or 1963 for the quantities of steel castings, diesel and semidiesel engines or integral horsepower motors and generators nor in 1967 for iron and steel forgings or fractional horsepower electric motors produced and consumed in the same establishments.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Steam engines and turbines (SIC 3511)	Internal combustion engines, n.e.c. (SIC 3519)	Farm machinery (SIC 3522)
	Cost of purchased fuels and electric energy, total...	Million dollars.	10.3	14.5	31.8
	Cost of purchased fuels, total.....	...do.....	6.2	5.6	17.8
121005	Coal (anthracite, bituminous, and lignite):				
	Quantity.....	1,000 short tons	(D)	103.8	458.1
	Cost.....	Million dollars.	(D)	0.7	3.0
331212	Coke, screenings, and breeze:				
	Quantity.....	1,000 short tons	-	15.1	94.5
	Cost.....	Million dollars.	-	0.6	3.6
	Fuel oil, total:				
	Quantity.....	1,000 barrels...	976.4	357.0	284.6
	Cost.....	Million dollars.	2.1	1.4	1.2
291141	Distillate:				
	Quantity.....	1,000 barrels...	63.4	312.3	173.2
	Cost.....	Million dollars.	0.2	1.0	0.8
291151	Residual:				
	Quantity.....	1,000 barrels...	913.0	44.7	111.4
	Cost.....	Million dollars	1.9	0.4	0.4
131300	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):				
	Quantity.....	Million cu. ft..	2,358.7	3,457.8	13,808.7
	Cost.....	Million dollars.	1.4	1.9	6.9
960013	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	(D)	0.3	0.8
	Fuels, n.s.k.....	...do.....	0.1	0.7	2.3
	Purchased electric energy:				
	Quantity.....	Million kw.-hrs.	395.4	824.0	1,046.2
	Cost.....	Million dollars.	4.1	8.9	14.0
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	142.3	44.1	198.2
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	4,545.0	3,404.6	9,908.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3519	INTERNAL COMBUSTION ENGINES, NEC										
	ENTIRE INDUSTRY	155	63.7	500.8	47.5	97.2	344.6	1 015.8	1 091.5	2 093.2	97.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	128	49.8	395.1	37.2	75.7	271.3	807.3	863.6	1 672.1	79.4
35191	GASOLINE ENGINES UNDER 11 HP, EXC. AIRCRAFT, AUTO (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	5	8.3	59.5	7.5	15.0	50.5	109.5	111.9	219.1	16.2
35192	GASOLINE ENGINES, 11-OVER HP, EXC. AIRCRAFT, AUTO (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	10	6.3	47.6	4.6	9.5	33.3	71.0	137.1	206.0	2.9
35193	DIESEL ENGINES (EXCEPT FOR TRUCKS AND BUSES) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	10	14.3	126.2	9.6	20.3	80.5	249.8	302.4	552.6	36.8
35197	TANK AND CONVERTED INTERNAL COMBUSTION ENGINES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	5	.6	4.2	.4	.9	2.8	8.8	22.7	30.9	.2
35199	PARTS, ACCESSORIES FOR INTERNAL COMB. ENGINES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	55	18.3	136.6	13.8	28.2	95.6	312.0	223.6	529.2	18.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	40	9.9	74.5	7.2	14.5	49.6	168.3	93.2	257.1	11.8
3522	FARM MACHINERY										
	ENTIRE INDUSTRY	1 618	136.3	946.7	104.0	203.2	662.3	2 041.5	2 323.2	4 299.9	128.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 518	116.4	808.5	89.2	174.5	567.3	1 767.5	2 029.0	3 734.9	115.6
35221	WHEEL TRACTOR, ATTACHMENTS (EXC OFF-HWY, GARDEN) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	20	30.3	238.0	23.8	44.5	177.4	518.9	716.3	1 233.9	36.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	13	24.0	189.5	18.8	35.3	141.4	425.3	616.0	1 039.9	32.7
35222	DAIRY MACHY, SPRAYERS, ELEVATORS, GARDEN TRACTORS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	108	11.3	76.9	8.0	16.1	49.0	177.3	207.5	378.4	9.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	69	4.5	28.4	3.4	7.0	18.5	68.1	94.5	160.5	4.4
35223	PLANTING, SEEDING, AND FERTILIZING MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	73	7.5	46.7	5.9	11.1	34.2	100.8	86.8	179.7	5.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	38	1.9	10.4	1.5	3.1	7.0	22.8	21.7	43.0	2.1
35224	PLOWS, ROLLERS, PULVERIZERS, STALK CUTTERS, ETC. (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	89	13.7	94.4	10.2	20.2	64.4	212.5	206.7	417.0	11.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	46	4.0	25.3	3.0	5.8	16.5	63.2	53.9	115.7	2.2
35225	HARVESTING MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	69	24.6	184.5	18.7	36.1	131.1	393.5	375.6	759.7	25.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	41	16.0	124.4	12.4	24.3	91.1	272.4	272.0	537.3	15.9
35226	HAYING MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	21	8.2	64.8	5.6	11.1	39.9	129.0	110.4	228.9	8.5
35227	LAWNMOWERS AND SNOW BLOWERS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	72	10.8	63.6	8.4	16.8	45.1	145.6	255.8	383.9	5.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	54	7.2	41.3	5.8	11.5	30.5	101.2	190.2	277.0	3.3
35228	ALL OTHER FARM MACHINERY AND EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	224	13.0	78.5	9.6	19.6	49.3	168.5	176.2	341.5	8.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	168	8.4	51.4	6.3	13.1	33.1	119.9	122.4	239.9	5.8
35229	PARTS FOR FARM MACHINERY AND EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	86	8.9	57.7	7.1	14.4	41.9	112.3	96.0	204.3	13.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	56	5.0	33.6	4.0	8.0	23.9	66.7	45.6	108.4	8.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

CONSTRUCTION, MINING, AND MATERIALS HANDLING MACHINERY AND EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3531--Construction Machinery and Equipment
3532--Mining Machinery and Equipment, Except Oilfield Machinery and Equipment
3533--Oilfield Machinery and Equipment
3534--Elevators and Moving Stairways
3535--Conveyors and Conveying Equipment
3536--Hoists, Industrial Cranes, and Monorail Systems
3537--Industrial Trucks, Tractors, Trailers, and Stackers

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industries.

3531--CONSTRUCTION MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing heavy machinery and equipment used by the construction industries, such as bulldozers; concrete mixers; cranes, except industrial plant; dredging machinery; pavers; and power shovels. Establishments primarily engaged in manufacturing mining equipment are classified in industry 3532, and well drilling machinery in industry 3533. For a detailed list of products of industry 3531, refer to table 6A, product codes 3531100 to 3531998.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Construction Machinery Industry in 1967 totaled $4,138 million. This included shipments of construction machinery (primary products), valued at $3,459 million, shipments of other products (secondary products) valued at $486 million, and miscellaneous receipts (mainly resales) of $193 million.

This industry's shipments of construction machinery (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 23 percent of the total industry shipments are represented by plants specializing in product class 35318, Scrapers, graders, rollers, and off-highway trucks, trailers and wagons (excluding parts); and 20 percent in 35312, Tracklaying type tractors, except parts and attachments.

Industry 3531 shipments of construction machinery (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $3,767 million shipped by all industries. In 1963, the coverage ratio was 89 percent. Other industries shipping construction machinery (primary products) included industry 3522, Farm Machinery, $57 million; and industry 3711, Motor Vehicles, $43 million.

3532--MINING MACHINERY AND EQUIPMENT, EXCEPT OILFIELD MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing heavy machinery and equipment used by the mining industries, such as coal breakers, mine cars, mineral cleaning machinery, concentration machinery, core drills, coal cutters, portable rock drills, and rock crushing machinery. Establishments primarily engaged in manufacturing construction machinery are classified in industry 3531; well drilling machinery in industry 3533; and coal and ore conveyors in industry 3535. For a detailed list of products of industry 3532, refer to table 6A, product codes 3532100 to 3532475.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Mining Machinery Industry in 1967 totaled $622 million. This included shipments of mining machinery (primary products), valued at $428 million, shipments of other products (secondary products) valued at $121 million, and miscellaneous receipts (mainly resales) of $74 million.

This industry's shipments of mining machinery (primary products) in 1967 represented 78 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 75 percent. Secondary products shipped by this industry in 1967 included construction machinery (SIC 3531) ($32 million), and conveyors and conveying equipment (SIC 3535) ($18 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 56 percent of the total industry shipments are represented by plants specializing in product class 35324, Parts and attachments for mining machinery and equipment and 25 percent in 35321, Underground mining and mineral benefication machinery and equipment.

Industry 3532 shipments of mining machinery (primary products) in 1967 represented 82 percent (coverage ratio) of these products valued at $522 million shipped by all industries. In 1963, the coverage ratio was also 82 percent.

3533--OILFIELD MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing machinery and equipment for use in oil and gas fields, or for drilling water wells. For a detailed list of products of industry 3533, refer to table 6A, product codes 3533111 to 3533431.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Oilfield Machinery Industry in 1967 totaled $800 million. This included shipments of oilfield machinery (primary products), valued at $605 million, shipments of other products (secondary products) valued at $104 million, and miscellaneous receipts of $91 million.

This industry's shipments of mining machinery (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent. Secondary products shipped by this industry in 1967 included pumps and compressors (SIC 3561) ($23 million), and construction machinery (SIC 3531) ($17 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 38 percent of the total industry shipments are represented by plants specializing in product class 35333, Oil and gas field production machinery and equipment (except pumps); and 35 percent in 35331, Rotary oil and gas field drilling machinery and equipment.

Industry 3533 shipments of oilfield machinery (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $661 million shipped by all industries. In 1963, the coverage ratio was 91 percent. Other industries shipping oilfield machinery (primary products) included industry 3561, Pumps and Compressors, $10 million.

3534--ELEVATORS AND MOVING STAIRWAYS

This industry comprises establishments primarily engaged in manufacturing passenger or freight elevators, automobile lifts, dumb waiters, and moving stairways. Establishments primarily engaged in manufacturing commercial conveyors systems and equipment are classified in industry 3535, and farm elevators in industry 3522. For a detailed list of products of industry 3534, refer to table 6A, product codes 3534011 to 3534097.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Elevators and Moving Stairways Industry in 1967 totaled $320 million. This included shipments of elevators and moving stairways (primary products), valued at $280 million, shipments of other products (secondary products) valued at $17 million, and miscellaneous receipts of $23 million.

This industry's shipments of elevators and moving stairways (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 97 percent.

Industry 3534 shipments of elevators and moving stairways (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $296 million shipped by all industries. In 1963, the coverage ratio was also 95 percent. Other industries shipping elevators and moving stairways (primary products) included industry 3586, Measuring and Dispensing Pumps, $6 million.

3535--CONVEYORS AND CONVEYING EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment for installation in factories, warehouses, mines, and other industrial and commercial establishments. Establishments primarily engaged in manufacturing passenger or freight elevators, dumb waiters, and moving stairways are classified in industry 3534; and overhead traveling cranes and monorail systems in industry 3536. For a detailed list of products of industry 3535, refer to table 6A, product codes 3535111 to 3535211.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Conveyors and Conveying Equipment Industry in 1967 totaled $763 million. This included shipments of conveyors and conveying equipment (primary products), valued at $545 million, shipments of other products (secondary products) valued at $98 million, and miscellaneous receipts (mainly resales) of $120 million.

This industry's shipments of conveyors and conveying equipment (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 82 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 84 percent of the total industry shipments are represented by plants specializing in product class 35351, Conveyors and conveying equipment (except hoists and farm elevators).

Industry 3535 shipments of conveyors and conveying equipment (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $655 million shipped by all industries. In 1963, the coverage ratio was also 83 percent. Other industries shipping conveyors and conveying equipment (primary products) included industry 3566, Power Transmission Equipment, $23 million; industry 3532, Mining Machinery, $18 million; and industry 3531, Construction Machinery, $17 million.

3535--HOISTS, INDUSTRIAL CRANES, AND MONORAIL SYSTEMS

This industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems for installation in factories, warehouses, and other industrial and commercial establishments. For a detailed list of products of industry 3536, refer to table 6A, product codes 3536112 to 3536255.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Hoists, Cranes, and Monorails Industry in 1967 totaled $444 million. This included shipments of hoists, cranes, and monorails (primary products), valued at $320 million, shipments of other products (secondary products) valued at $90 million, and miscellaneous receipts of $34 million.

This industry's shipments of hoits, cranes, and monorails (primary products) in 1967 represented 78 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80 percent. Secondary products shipped by this industry in 1967 included construction machinery (SIC 3531) ($35 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 73 percent of the total industry shipments are represented by plants specializing in product class 35362, Overhead traveling cranes and monorail systems; and 23 percent in 35361, Hoists.

Industry 3536 shipments of hoists, cranes, and monorails (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $385 million shipped by all industries. In 1963, the coverage ratio was 70 percent. Other industries shipping hoists, cranes, and monorails (primary products) included industry 3531, Construction Machinery, $13 million; industry 3532, Mining Machinery, $9 million; and industry 3713, Truck and Bus Bodies, $8 million.

3537--INDUSTRIAL TRUCKS, TRACTORS, TRAILERS, AND STACKERS

The Industrial Trucks, Tractors, Trailers, and Stackers Industry includes establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, stackers (truck-type), and related equipment, used for handling materials on floors and paved surfaces in and around industrial and commercial plants, depots, docks, and terminals. Establishments primarily engaged in manufacturing motor vehicles and motor vehicle-type trailers are classified in Group 371; farm-type wheel tractors in industry 3522; wheel tractor shovel loaders and tracklaying tractors in industry 3531; and wood pallets and skids in industry 2499. For a detailed list of products of industry 3537, refer to table 6A, product codes 3537011 to 3537081.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Industrial Trucks and Tractors Industry in 1967 totaled $778 million. This included shipments of industrial trucks and tractors (primary products), valued at $672 million, shipments of other products (secondary products) valued at $50 million, and miscellaneous receipts (mainly resales) of $56 million.

This industry's shipments of industrial trucks and tractors (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent. Secondary products shipped by this industry in 1967 included construction machinery (SIC 3531) ($17 million).

Industry 3537 shipments of industrial trucks and tractors (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $781 million shipped by all industries. In 1963, the coverage ratio was 81 percent. Other industries shipping industrial trucks and tractors (primary products) consisted mainly of industry 3531, Construction Machinery, $42 million; industry 3522, Farm Machinery, $10 million; and industry 3714, Motor Vehicle Parts And Accessories, $10 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For each industry included in this report, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3531.--CONSTRUCTION MACHINERY														
1967 Census....	651	358	133.1	989.4	98.6	193.9	673.4	2,056.5	2,103.6	4,138.0	184.9	1,034.2	88	92
1966 ASM[1].....	(NA)	(NA)	121.2	899.0	92.1	192.8	632.4	1,880.7	1,968.1	3,767.8	129.8	929.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	121.5	850.0	90.8	186.0	590.7	1,745.0	1,849.3	3,545.6	105.1	854.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	116.3	790.1	86.6	177.7	544.1	1,590.1	1,666.5	3,200.1	74.1	780.6	(NA)	(NA)
1963 Census....	617	305	104.5	683.7	76.5	155.3	462.4	1,301.3	1,403.2	2,696.0	56.2	671.6	91	89
1962 ASM[1].....	(NA)	(NA)	99.0	631.1	71.3	142.3	416.8	1,142.9	1,284.3	2,369.9	49.8	624.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	95.0	570.1	67.2	131.9	366.2	972.1	1,154.0	2,150.4	41.4	552.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	111.7	636.6	78.1	152.5	412.6	930.7	1,287.2	2,254.2	71.3	605.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	112.8	654.9	81.2	166.1	435.2	1,179.9	1,396.0	2,517.4	66.1	664.8	(NA)	(NA)
1958 Census[2]...	579	295	95.3	496.8	66.5	124.6	310.3	1,022.8	1,033.6	2,107.4	45.4	577.3	88	90
INDUSTRY 3532.--MINING MACHINERY														
1967 Census....	212	110	21.7	156.7	14.9	29.7	95.8	308.3	313.5	622.2	18.4	171.2	78	82
1966 ASM[1].....	(NA)	(NA)	21.6	155.1	15.2	31.4	99.2	306.3	343.5	630.4	19.4	166.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	20.3	138.1	14.0	28.3	87.6	269.2	286.4	545.1	9.6	140.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	18.7	123.6	13.0	25.9	76.3	241.2	239.1	475.7	7.8	123.7	(NA)	(NA)
1963 Census....	204	93	16.9	109.5	11.8	23.3	67.7	215.4	203.8	417.6	6.8	109.4	75	82
1962 ASM[1].....	(NA)	(NA)	19.1	120.8	11.9	24.0	67.0	205.7	194.8	402.4	6.5	102.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	19.8	122.0	12.3	25.1	65.8	220.3	202.6	427.5	7.4	109.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	19.6	115.5	12.8	25.3	65.9	209.7	193.8	406.9	*6.3	103.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	18.1	104.3	12.0	23.7	61.3	204.6	189.7	399.5	6.0	104.1	(NA)	(NA)
1958 Census[2]...	173	90	17.8	97.0	11.7	22.6	56.4	165.8	167.1	342.0	6.5	106.0	72	77
INDUSTRY 3533.--OILFIELD MACHINERY														
1967 Census....	360	174	32.7	240.4	21.7	46.1	143.4	502.9	305.3	799.8	23.7	257.6	85	92
1966 ASM[1].....	(NA)	(NA)	36.0	248.3	24.7	53.2	152.4	513.7	338.6	846.0	28.4	243.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	34.9	234.2	24.4	52.9	146.2	506.6	328.7	816.2	24.6	239.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	30.7	203.7	21.0	45.1	125.1	463.6	298.9	733.8	25.2	206.7	(NA)	(NA)
1963 Census....	408	176	29.2	184.3	20.1	41.4	113.5	398.2	264.3	666.5	11.3	176.8	90	91
1962 ASM[1].....	(NA)	(NA)	28.5	179.3	18.6	41.0	106.4	381.7	242.2	625.3	*17.6	172.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	27.2	169.2	17.7	38.5	98.0	352.6	224.2	587.4	*12.8	167.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	31.2	187.4	20.1	43.1	108.3	370.0	249.1	615.1	16.1	182.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	33.0	194.5	21.9	45.9	114.3	400.1	271.7	654.1	20.2	195.0	(NA)	(NA)
1958 Census[2]...	389	168	31.9	174.7	20.7	41.2	101.9	336.8	241.9	585.3	18.3	174.0	92	94
INDUSTRY 3534.--ELEVATORS AND MOVING STAIRWAYS														
1967 Census....	144	78	13.9	107.6	8.8	18.1	63.4	[3]196.1	128.4	[3]319.7	3.9	96.6	94	95
1966 ASM[1].....	(NA)	(NA)	14.0	105.1	8.5	17.8	58.1	235.5	125.7	352.6	4.3	92.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	13.4	99.6	8.1	17.1	55.2	217.8	120.8	339.1	11.3	74.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	13.4	95.3	8.1	15.8	50.0	234.1	123.2	347.4	5.2	74.3	(NA)	(NA)
1963 Census....	142	74	12.4	88.4	7.4	15.5	49.6	201.5	114.7	318.6	3.3	66.0	97	95
1962 ASM[1].....	(NA)	(NA)	*9.5	*72.2	*5.5	*11.5	*38.8	*195.9	*111.5	*312.5	*1.6	*59.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	*9.8	*67.0	*5.5	*11.5	*36.0	*179.5	*88.6	*265.1	*2.8	*63.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.9	59.7	5.3	10.5	31.8	149.7	83.6	235.4	1.3	47.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	9.3	55.9	5.5	11.7	31.6	135.2	80.5	216.8	*1.1	48.5	(NA)	(NA)
1958 Census[2]...	144	76	9.6	55.7	5.9	11.8	31.2	126.3	71.1	192.8	2.3	48.4	97	80
INDUSTRY 3535.--CONVEYORS AND CONVEYING EQUIPMENT														
1967 Census....	446	216	27.4	213.3	16.8	35.0	112.0	415.8	353.4	763.0	13.6	129.2	85	83
1966 ASM[1].....	(NA)	(NA)	25.8	201.1	16.3	34.8	110.6	386.0	345.6	725.4	12.3	119.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	25.0	182.0	15.3	32.5	97.5	351.3	319.6	655.5	9.0	106.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	22.2	161.7	13.7	29.3	85.2	306.6	261.1	567.1	8.0	85.2	(NA)	(NA)
1963 Census....	454	175	20.8	140.6	12.6	26.3	74.0	270.5	231.1	494.6	6.1	79.3	82	83
1962 ASM[1].....	(NA)	(NA)	21.2	137.0	12.7	25.2	70.9	249.2	215.8	460.3	9.1	76.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	19.9	121.4	11.5	23.7	61.4	215.3	181.9	399.8	*6.1	68.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	21.5	132.5	12.6	26.5	69.2	240.0	203.9	439.7	6.0	73.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	21.4	129.6	13.0	26.1	67.7	229.4	198.5	425.4	4.5	69.8	(NA)	(NA)
1958 Census[2]...	420	150	20.8	119.4	12.7	25.6	62.6	192.9	187.0	385.7	7.2	63.1	81	78

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967—Continued

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3536.--HOISTS, CRANES, AND MONORAILS													
1967 Census....	141	71	16.8	134.3	11.6	24.1	88.0	241.6	202.1	444.4	11.3	96.2	78	83
1966 ASM[1].....	(NA)	(NA)	16.5	130.5	11.7	25.2	86.1	236.7	205.2	437.3	10.1	99.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	10.3	76.4	7.5	16.0	50.7	144.8	132.9	270.2	4.6	56.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	9.9	72.2	7.1	15.3	46.3	119.1	119.4	237.7	3.2	46.6	(NA)	(NA)
1963 Census....	120	56	9.6	64.3	6.8	14.0	41.4	112.3	110.9	220.0	2.6	45.4	80	70
1962 ASM[1].....	(NA)	(NA)	8.5	54.0	5.8	11.7	32.6	88.4	77.2	166.0	3.3	38.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.5	50.7	5.7	11.5	30.1	82.2	77.6	162.6	3.3	41.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	9.6	57.7	6.8	13.5	35.3	93.1	91.6	188.2	4.5	45.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.8	50.9	6.2	12.3	30.7	85.9	82.1	164.3	2.6	47.6	(NA)	(NA)
1958 Census[2]...	81	54	9.5	53.6	6.6	13.0	32.8	92.8	85.5	184.7	5.1	43.7	79	78
	INDUSTRY 3537.--INDUSTRIAL TRUCKS AND TRACTORS													
1967 Census....	351	140	27.0	199.7	17.7	36.5	115.6	408.6	381.7	778.0	23.9	193.4	93	86
1966 ASM[1].....	(NA)	(NA)	26.3	189.9	17.8	37.9	116.8	404.9	420.0	792.1	18.4	184.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	21.5	152.6	14.2	31.0	92.3	321.2	318.9	627.7	11.6	131.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	19.9	130.8	15.0	28.1	76.2	274.5	266.9	533.0	9.4	117.9	(NA)	(NA)
1963 Census....	314	108	17.6	110.4	11.5	23.8	64.5	233.1	215.5	447.0	6.7	97.6	90	81
1962 ASM[1].....	(NA)	(NA)	16.5	100.4	10.8	22.2	58.1	175.4	190.7	360.6	4.1	88.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	15.7	90.8	9.9	20.3	49.9	144.8	167.5	319.4	*4.4	84.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	17.5	100.7	11.6	24.1	59.5	169.3	194.8	366.0	6.0	89.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	15.3	88.4	10.0	21.1	52.1	170.4	176.6	333.2	4.3	91.2	(NA)	(NA)
1958 Census[2]...	262	96	14.8	76.2	9.5	18.1	43.0	117.5	140.4	269.3	3.3	75.4	93	84

Note: In 1967, 1963, and 1958, the number of companies in industry 3531 was 578, 561, and 532, respectively; in industry 3532: 197, 198, and 167; industry 3533: 309, 373, and 351; industry 3534: 130, 126, and 135; industry 3535: 416, 428, and 401; industry 3536: 139, 120, and 78; and industry 3537: 337, 304, and 254. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]For industry 3534, the figures for 1967 are not comparable with those for earlier years because some companies previously included construction receipts with value of shipments. Value added by manufacture and value of shipments for 1967 would have been $50 to $75 million higher had they been on a basis comparable with earlier years.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3531--CONSTRUCTION MACHINERY								
1967 Census.....	7,434	74	1,967	3.47	.51	.75	15,452	48	10.60
1966 ASM.....	7,416	76	2,095	3.28	.52	.76	15,513	48	9.75
1965 ASM.....	6,998	75	2,049	3.18	.52	.76	14,366	49	9.38
1964 ASM.....	6,796	75	2,051	3.06	.52	.77	13,678	50	8.95
1963 Census.....	6,542	73	2,029	2.98	.52	.77	12,450	53	8.38
1962 ASM.....	6,375	72	1,996	2.93	.54	.81	11,545	55	8.03
1961 ASM.....	6,004	71	1,963	2.78	.54	.80	10,238	59	7.37
1960 ASM.....	5,699	70	1,953	2.71	.57	.85	8,331	68	6.10
1959 ASM.....	5,805	72	2,044	2.62	.55	.81	10,459	56	7.11
1958 Census.....	5,212	70	1,874	2.49	.49	.73	10,732	49	8.21
	INDUSTRY 3532--MINING MACHINERY								
1967 Census.....	7,214	69	1,992	3.23	.50	.76	14,197	51	10.38
1966 ASM.....	7,197	70	2,064	3.16	.54	.79	14,214	51	9.77
1965 ASM.....	6,812	69	2,018	3.10	.53	.78	13,282	51	9.52
1964 ASM.....	6,620	70	1,993	2.94	.50	.76	12,918	51	9.30
1963 Census.....	6,477	70	1,971	2.91	.49	.75	12,738	51	9.25
1962 ASM.....	6,331	62	2,026	2.79	.48	.78	10,776	59	8.57
1961 ASM.....	6,157	62	2,037	2.62	.47	.76	11,116	55	8.77
1960 ASM.....	5,897	66	1,969	2.61	.48	.76	10,706	55	8.29
1959 ASM.....	5,761	66	1,973	2.59	.47	.74	11,300	51	8.62
1958 Census.....	5,445	65	1,936	2.50	.49	.77	9,312	58	7.34

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3533--OILFIELD MACHINERY								
1967 Census	7,357	67	2,119	3.11	.38	.68	15,395	48	10.92
1966 ASM	6,899	69	2,151	2.87	.40	.69	14,270	48	9.66
1965 ASM	6,703	70	2,166	2.77	.40	.69	14,500	46	9.58
1964 ASM	6,624	68	2,147	2.77	.41	.68	15,078	44	10.28
1963 Census	6,311	69	2,059	2.74	.40	.67	13,634	46	9.62
1962 ASM	6,301	65	2,207	2.59	.39	.67	13,413	47	9.30
1961 ASM	6,213	65	2,176	2.54	.38	.67	12,947	48	9.15
1960 ASM	6,015	65	2,139	2.51	.40	.71	11,874	51	8.59
1959 ASM	5,887	66	2,092	2.49	.42	.71	12,108	49	8.72
1958 Census	5,480	65	1,989	2.47	.41	.71	10,565	52	8.17
	INDUSTRY 3534--ELEVATORS AND MOVING STAIRWAYS								
1967 Census	7,713	63	2,049	3.51	[1].40	[1].74	[1]14,064	[1]55	[1]10.86
1966 ASM	7,528	61	2,109	3.26	.36	.65	16,871	45	13.22
1965 ASM	7,457	60	2,119	3.23	.36	.65	16,299	46	12.76
1964 ASM	7,107	60	1,959	3.17	.35	.63	17,454	41	14.84
1963 Census	7,132	60	2,081	3.21	.36	.64	16,261	44	13.04
1962 ASM	7,604	58	2,105	3.36	.36	.59	20,638	37	16.96
1961 ASM	6,850	56	2,091	3.14	.33	.59	18,349	37	15.68
1960 ASM	6,706	60	1,971	3.03	.36	.61	16,807	40	14.30
1959 ASM	5,995	59	2,115	2.69	.37	.63	14,504	41	11.54
1958 Census	5,782	61	2,005	2.65	.37	.66	13,118	44	10.73
	INDUSTRY 3535--CONVEYORS AND CONVEYING EQUIPMENT								
1967 Census	7,775	61	2,082	3.20	.46	.74	15,155	51	11.87
1966 ASM	7,803	63	2,140	3.17	.48	.75	14,976	52	11.08
1965 ASM	7,279	61	2,115	3.00	.49	.77	14,051	52	10.82
1964 ASM	7,278	62	2,141	2.91	.46	.75	13,798	53	10.46
1963 Census	6,768	61	2,081	2.81	.47	.75	13,017	52	10.28
1962 ASM	6,455	60	1,984	2.81	.47	.77	11,738	55	9.88
1961 ASM	6,115	58	2,060	2.59	.46	.76	10,445	56	9.09
1960 ASM	6,166	58	2,109	2.61	.46	.77	11,167	55	9.06
1959 ASM	6.044	61	2,004	2.59	.47	.77	10,701	56	8.78
1958 Census	5,745	61	2,015	2.45	.48	.79	9,279	62	7.54
	INDUSTRY 3536--HOISTS, CRANES, AND MONORAILS								
1967 Census	7,985	69	2,069	3.65	.45	.76	14,369	56	10.03
1966 ASM	7,910	71	2,144	3.42	.47	.77	14,348	55	9.40
1965 ASM	7,447	73	2,145	3.17	.49	.77	14,126	53	9.06
1964 ASM	7,276	71	2,165	3.03	.50	.81	12,007	61	7.80
1963 Census	6,709	71	2,063	2.96	.50	.80	11,719	57	8.03
1962 ASM	6,377	68	2,030	2.78	.47	.79	10,446	61	7.55
1961 ASM	5,983	67	2,040	2.60	.48	.79	9,707	62	7.13
1960 ASM	6,005	71	1,979	2.61	.49	.79	9,690	62	6.88
1959 ASM	5,791	71	1,973	2.50	.50	.81	9,777	59	7.00
1958 Census	5,627	69	1,981	2.53	.46	.75	9,744	58	7.14
	INDUSTRY 3537--INDUSTRIAL TRUCKS AND TRACTORS								
1967 Census	7,383	66	2,058	3.17	.49	.75	15,105	49	11.20
1966 ASM	7,223	68	2,126	3.08	.53	.77	15,397	47	10.69
1965 ASM	7,104	66	2,186	2.97	.51	.75	14,954	48	10.36
1964 ASM	6,567	75	1,873	2.71	.50	.75	13,786	48	9.78
1963 Census	6,286	65	2,079	2.71	.48	.73	13,268	47	9.79
1962 ASM	6,093	66	2,051	2.61	.53	.81	10,648	57	7.89
1961 ASM	5,796	63	2,058	2.45	.52	.81	9,243	63	7.13
1960 ASM	5,762	66	2,087	2.46	.53	.81	9,688	59	7.01
1959 ASM	5,786	66	2,107	2.47	.53	.80	11,157	52	8.08
1958 Census	5,154	65	1,898	2.37	.52	.80	7,947	65	6.48

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]For industry 3534 the figures for 1967 are not comparable with those for earlier years because some companies previously included construction receipts with value of shipments. Value added by manufacture and value of shipments for 1967 would have been $50 to $75 million higher had they been on a basis comparable with earlier years.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3531-- CONSTRUCTION MACHINERY													
UNITED STATES	651	358	133.1	989.4	98.6	193.9	673.4	2 056.5	2 103.6	4 138.0	184.9	104.5	1 301.3
NORTHEAST REGION	91	43	7.1	49.7	5.2	9.9	32.3	117.0	113.9	229.9	11.9	5.5	60.7
NEW ENGLAND DIVISION	20	6	.4	2.5	.3	.5	1.6	4.4	4.4	8.8	.1	.7	5.9
MASSACHUSETTS	11	5	.2	1.7	.2	.3	1.0	2.8	2.9	5.7	(Z)	.3	1.8
MIDDLE ATLANTIC DIVISION	71	37	6.8	47.2	4.9	9.4	30.8	112.6	109.5	221.1	11.8	4.7	54.8
NEW YORK	27	13	1.6	11.1	1.2	2.2	7.2	26.7	30.7	55.8	.7	1.2	12.0
NEW JERSEY	16	4	.4	3.0	.3	.6	1.7	5.2	5.4	10.9	.1	.9	8.4
PENNSYLVANIA	28	20	4.7	33.1	3.5	6.6	21.8	80.7	73.4	154.5	11.0	2.6	34.4
NORTH CENTRAL REGION	306	200	110.2	830.4	82.3	161.0	572.4	1 737.3	1 749.8	3 467.6	162.0	86.2	1 098.4
EAST NORTH CENTRAL DIVISION	210	142	91.7	695.2	69.3	135.7	488.0	1 427.7	1 454.0	2 881.6	122.3	76.0	967.4
OHIO	67	46	14.9	115.4	10.6	22.0	74.7	219.7	235.8	457.0	10.3	12.4	153.5
INDIANA	21	14	4.3	31.2	3.1	6.3	20.6	57.5	59.4	112.9	5.8	3.7	45.2
ILLINOIS	60	36	51.5	396.9	39.0	73.6	279.9	835.9	790.4	1 640.0	89.5	44.7	576.4
MICHIGAN	27	17	10.3	71.8	8.2	15.8	53.0	152.5	199.9	341.8	10.2	4.5	51.6
WISCONSIN	35	29	10.6	79.9	8.4	17.9	59.7	162.1	168.5	329.9	6.5	10.7	140.6
WEST NORTH CENTRAL DIVISION	96	58	18.5	135.3	12.9	25.3	84.4	309.7	295.8	586.0	39.8	10.6	131.0
MINNESOTA	32	20	5.2	37.4	3.6	7.4	23.2	76.1	73.8	139.6	2.7	4.0	42.6
IOWA	23	15	10.6	80.2	7.6	14.3	51.6	202.5	183.6	378.8	36.0	4.7	72.3
MISSOURI	12	7	1.1	8.6	.6	1.3	4.0	11.2	17.8	28.0	.1	1.1	11.0
NORTH DAKOTA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEBRASKA	6	4	.3	1.7	.2	.5	1.3	3.4	3.0	6.5	(Z)	.2	2.0
KANSAS	18	10	.8	5.0	.6	1.1	2.9	9.8	11.5	21.1	(D)	.5	3.1
SOUTH REGION	121	65	9.6	61.4	7.0	14.6	39.2	125.3	147.3	273.3	6.8	5.9	65.7
SOUTH ATLANTIC DIVISION	32	12	2.4	15.0	1.7	3.5	9.7	31.7	39.2	72.2	1.4	1.2	20.4
MARYLAND	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	11	2	.2	1.3	.1	.3	.8	2.0	1.8	3.9	.1	[2](Z)	[2].3
EAST SOUTH CENTRAL DIVISION	19	12	1.8	10.8	1.4	2.8	7.8	23.4	23.9	45.6	1.2	.7	7.8
TENNESSEE	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	9	6	.7	4.6	.6	1.1	3.3	10.8	7.1	17.5	.4	[2](D)	[2](D)
MISSISSIPPI	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	70	41	5.4	35.7	3.9	8.3	21.7	70.2	84.2	155.5	4.2	4.0	37.5
LOUISIANA	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	20	14	2.6	16.6	1.8	4.0	10.2	31.4	45.5	80.1	2.9	[2](D)	[2](D)
TEXAS	44	25	2.5	17.1	1.8	3.7	10.0	34.5	37.9	70.3	1.1	2.4	20.9
WEST REGION	133	50	6.2	47.9	4.2	8.5	29.5	76.9	92.6	167.2	4.2	6.9	76.5
MOUNTAIN DIVISION	20	8	.5	3.3	.3	.7	2.0	7.1	6.0	12.6	.3	1.2	6.1
UTAH	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	113	42	5.7	44.6	3.9	7.8	27.5	69.8	86.6	154.6	3.9	5.5	70.4
WASHINGTON	16	7	1.6	12.8	1.3	2.6	9.6	20.3	18.2	39.0	.7	1.1	11.8
OREGON	15	5	.6	4.3	.4	.8	2.7	5.7	11.5	17.0	.2	.3	3.9
CALIFORNIA	82	30	3.6	27.5	2.2	4.4	15.2	43.7	56.8	98.6	2.9	4.0	54.6
3532-- MINING MACHINERY													
UNITED STATES	212	110	21.7	156.7	14.9	29.7	95.8	308.3	313.5	622.2	18.4	16.9	215.4
NORTHEAST REGION	48	28	6.1	46.1	3.9	7.8	26.2	94.0	99.1	191.2	6.4	5.0	53.4
NEW ENGLAND DIVISION	7	4	1.3	9.0	.8	1.5	4.6	13.1	8.3	20.5	(D)	1.0	11.6
NEW HAMPSHIRE	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	41	24	4.8	37.1	3.1	6.3	21.6	80.9	90.8	170.7	(D)	4.0	41.9
NEW YORK[e]	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	31	17	3.6	28.8	2.2	4.6	16.0	64.9	66.4	131.6	(D)	3.1	32.4
NORTH CENTRAL REGION	67	44	9.7	70.6	6.6	13.0	42.3	127.9	140.8	273.4	7.9	8.1	108.6
EAST NORTH CENTRAL DIVISION	49	33	8.1	59.3	5.5	10.8	35.2	106.2	116.2	228.8	6.8	7.0	94.0
OHIO	18	13	2.3	16.0	1.7	3.5	10.7	32.7	32.6	65.7	1.7	2.0	26.8
INDIANA[e]	4	3	.2	1.1	.2	.3	.8	2.1	1.3	3.4	(Z)	[2](D)	[2](D)
ILLINOIS	14	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	13.4
MICHIGAN	7	2	.3	1.5	.2	.4	1.2	2.8	3.3	6.4	.2	[2](D)	[2](D)
WISCONSIN	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	47.9
WEST NORTH CENTRAL DIVISION	18	11	1.6	11.3	1.1	2.2	7.1	21.7	24.6	44.7	1.1	1.1	14.6
MINNESOTA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	6	4	.6	4.1	.5	.8	2.4	8.1	7.5	15.7	(D)	[2](D)	[2](D)
MISSOURI	7	4	.3	2.3	.2	.4	1.2	3.2	5.4	8.6	.3	.2	3.7
KANSAS	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3532-- MINING MACHINERY--CON.													
SOUTH REGION	56	22	2.6	17.0	2.0	4.1	11.1	36.9	37.5	72.8	1.6	1.7	18.4
SOUTH ATLANTIC DIVISION	38	15	1.9	12.6	1.4	2.9	8.0	28.3	26.7	54.3	1.2	1.4	14.3
VIRGINIA	13	4	.4	2.2	.3	.6	1.3	6.1	8.1	13.9	.1	[2](D)	[2](D)
WEST VIRGINIA	21	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.1
KENTUCKY	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	12	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.0
TEXAS[e]	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	41	16	3.2	22.9	2.4	4.8	16.3	49.5	36.2	84.7	2.5	2.1	35.1
MOUNTAIN DIVISION	19	9	2.7	18.9	2.1	4.2	13.9	40.0	27.5	66.1	2.1	1.7	28.5
COLORADO	9	6	1.8	13.1	1.5	2.8	9.9	32.0	22.0	54.3	1.9	1.6	27.5
UTAH	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	22	7	.5	4.1	.3	.7	2.4	9.4	8.6	18.6	.4	.4	6.5
CALIFORNIA	17	6	.4	3.4	.3	.5	1.9	8.2	7.4	16.1	.4	.2	5.0
3533-- OILFIELD MACHINERY													
UNITED STATES	360	174	32.7	240.4	21.7	46.1	143.4	502.9	305.3	799.8	23.7	29.2	398.2
NORTHEAST REGION	15	12	1.8	13.6	1.1	2.2	6.9	25.3	15.5	40.5	2.3	.9	12.2
MIDDLE ATLANTIC DIVISION	14	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	5	4	.3	2.0	.2	.3	1.1	4.1	2.7	6.9	(D)	[2](D)	[2](D)
PENNSYLVANIA	7	6	1.4	10.9	.9	1.7	5.4	20.3	11.2	31.2	2.0	.7	9.9
NORTH CENTRAL REGION	21	8	1.0	6.9	.7	1.3	3.9	14.4	7.2	22.2	.5	1.3	14.7
EAST NORTH CENTRAL DIVISION	14	5	.5	3.3	.4	.7	2.2	7.9	3.1	10.9	.2	.8	9.7
OHIO	7	3	.4	2.5	.3	.6	1.8	4.0	2.7	6.7	(D)	.5	4.5
WEST NORTH CENTRAL DIVISION	7	3	.5	3.5	.3	.6	1.7	6.5	4.1	11.3	.3	.5	5.1
KANSAS	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	259	123	25.9	187.6	17.4	37.1	113.6	379.5	243.6	618.7	17.4	23.2	306.7
SOUTH ATLANTIC DIVISION	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	250	119	25.1	182.2	16.7	35.6	109.5	372.0	237.1	606.4	17.3	22.5	303.0
LOUISIANA	17	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	7.6
OKLAHOMA	50	18	3.7	25.6	2.7	5.5	16.6	48.0	42.7	93.3	1.9	4.2	51.4
TEXAS	182	93	20.3	149.1	13.2	28.2	87.4	311.6	186.8	493.1	13.8	17.7	244.2
WEST REGION	65	31	4.0	32.3	2.6	5.5	19.0	83.8	39.0	118.4	3.4	3.8	64.5
MOUNTAIN DIVISION	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.0
UTAH	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	54	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	58.5
CALIFORNIA	54	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3534-- ELEVATORS AND MOVING STAIRWAYS													
UNITED STATES	144	78	13.9	107.6	8.8	18.1	63.4	196.1	128.4	319.7	3.9	12.4	201.5
NORTHEAST REGION	40	24	7.5	62.0	4.7	9.8	37.4	101.9	69.6	170.2	1.8	7.5	141.8
NEW ENGLAND DIVISION	10	6	.4	3.7	.3	.6	2.1	6.2	4.2	10.6	.1	.4	4.3
MASSACHUSETTS[e]	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	30	18	7.0	58.2	4.5	9.3	35.3	95.7	65.4	159.6	1.7	7.0	137.5
NEW YORK	16	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	8	6	.7	5.8	.4	.9	3.8	11.3	4.4	15.9	.2	.5	6.7
NORTH CENTRAL REGION	63	33	4.1	28.5	2.8	5.7	17.4	63.5	36.7	96.9	1.6	2.6	31.6
EAST NORTH CENTRAL DIVISION	46	28	3.5	24.0	2.4	4.8	15.0	55.8	28.8	81.0	1.3	2.5	29.4
OHIO	15	9	1.2	8.4	.8	1.6	5.2	16.9	11.4	27.1	(D)	1.2	12.3
INDIANA	6	4	1.1	6.5	.8	1.5	4.3	19.6	7.5	24.7	.5	.3	3.8
ILLINOIS	12	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	6	4	.2	1.4	.1	.2	.6	3.7	1.2	4.7	.1	[2](D)	[2](D)
WISCONSIN	7	4	.2	1.5	.1	.2	.8	2.2	1.3	3.7	(Z)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	17	5	.6	4.5	.4	.8	2.4	7.8	7.9	15.8	.4	.2	2.3
KANSAS	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	21	13	1.7	11.9	.8	1.7	5.1	19.8	16.3	35.5	.3	1.4	14.5
SOUTH ATLANTIC DIVISION	13	8	.8	6.1	.4	.7	2.4	8.4	8.2	16.3	.1	.7	6.7
MARYLAND	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSISSIPPI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3534-- ELEVATORS AND MOVING STAIRWAYS--CON.													
SOUTH REGION--CON.													
WEST SOUTH CENTRAL DIVISION	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	20	8	.7	5.2	.5	.9	3.4	10.8	5.6	17.1	.2	.9	13.6
PACIFIC DIVISION	20	8	.7	5.2	.5	.9	3.4	10.8	5.6	17.1	.2	.9	13.5
CALIFORNIA	17	8	.7	5.1	.5	.9	3.3	10.6	5.5	16.7	.1	.8	12.1
3535-- CONVEYORS AND CONVEYING EQUIPMENT													
UNITED STATES	446	216	27.4	213.3	16.8	35.0	112.0	415.8	353.4	763.0	13.6	20.8	270.5
NORTHEAST REGION	100	39	7.6	58.4	4.4	8.8	28.7	112.5	101.9	212.0	3.8	6.1	79.5
NEW ENGLAND DIVISION[6]	16	4	.3	2.7	.2	.5	1.7	4.5	3.0	7.3	.1	.3	3.8
MASSACHUSETTS[6]	11	3	.3	2.1	.2	.4	1.4	3.6	2.5	5.8	.1	.3	3.4
MIDDLE ATLANTIC DIVISION	84	35	7.3	55.7	4.1	8.4	27.0	108.0	98.9	204.7	3.7	5.8	75.7
NEW YORK	27	10	1.6	11.8	.9	1.8	5.3	22.9	13.8	34.9	.7	1.2	14.5
NEW JERSEY	23	8	1.5	11.9	.9	1.8	6.1	24.4	23.2	47.5	.6	1.2	14.7
PENNSYLVANIA	34	17	4.2	31.9	2.4	4.8	15.6	60.7	61.8	122.3	2.4	3.4	46.5
NORTH CENTRAL REGION	209	116	13.4	111.5	8.3	17.3	59.1	208.5	172.0	378.6	7.1	10.3	138.7
EAST NORTH CENTRAL DIVISION	171	97	11.4	94.9	7.0	14.7	51.2	178.9	149.8	325.9	6.2	8.6	117.4
OHIO	38	31	3.0	22.9	1.9	4.2	12.8	39.1	36.2	75.6	.7	1.8	19.3
INDIANA	11	3	.2	1.1	.1	.2	.8	2.0	1.3	3.3	.1	.2	1.0
ILLINOIS	44	20	3.0	22.6	1.9	3.9	12.5	51.0	34.1	84.7	2.4	2.2	27.6
MICHIGAN	62	34	4.5	42.2	2.6	5.3	21.8	73.6	66.1	137.5	2.7	3.8	61.9
WISCONSIN	16	9	.8	6.0	.5	1.0	3.3	13.2	12.0	24.8	.3	.6	7.6
WEST NORTH CENTRAL DIVISION	38	19	2.0	16.6	1.2	2.6	7.9	29.6	22.2	52.7	.9	1.7	21.3
MINNESOTA	11	5	.7	5.0	.4	.8	2.6	8.7	6.9	15.7	.4	.6	5.9
IOWA	7	4	.2	1.3	.1	.3	.7	2.3	1.9	4.1	.1	.1	2.3
MISSOURI	9	4	.6	5.5	.4	.8	2.4	10.6	5.9	16.4	.2	.5	6.6
SOUTH DAKOTA	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	5	3	.3	3.4	.2	.4	1.2	4.8	4.3	9.7	(Z)	[2](D)	[2](D)
SOUTH REGION	85	40	4.7	30.8	3.3	7.0	17.7	68.8	61.7	129.2	2.0	3.1	37.8
SOUTH ATLANTIC DIVISION	34	15	1.3	8.4	.8	1.6	4.0	22.7	19.0	40.8	.6	.7	11.0
MARYLAND	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	8	4	.3	1.7	.2	.4	1.1	5.1	3.1	7.7	.1	[2](D)	[2](D)
WEST VIRGINIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	5	3	.2	2.0	.2	.3	.8	3.4	3.2	6.8	(Z)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	19	11	2.2	14.3	1.6	3.4	9.1	31.2	28.9	60.3	1.0	1.6	19.9
KENTUCKY	9	4	.9	7.0	.6	1.3	4.5	12.8	9.2	22.1	.2	.9	10.2
TENNESSEE	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	32	14	1.2	8.1	.9	1.9	4.6	14.9	13.8	28.1	.4	.8	7.0
TEXAS	20	11	1.0	6.5	.7	1.6	3.7	11.8	11.4	22.6	.3	.5	5.0
WEST REGION	52	21	1.6	12.6	.9	1.9	6.4	26.0	17.9	43.2	.6	1.3	14.4
MOUNTAIN DIVISION	11	4	.3	1.8	.2	.4	1.1	4.1	2.3	6.2	.1	.1	1.7
COLORADO	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	41	17	1.4	10.8	.7	1.5	5.3	22.0	15.7	37.0	.6	1.1	12.7
CALIFORNIA	32	14	1.1	9.1	.6	1.3	4.3	19.0	13.8	32.2	(D)	.9	10.9
3536-- HOISTS, CRANES, AND MONORAILS													
UNITED STATES	141	71	16.8	134.3	11.6	24.1	88.0	241.6	202.1	444.4	11.3	9.6	112.3
NORTHEAST REGION	28	14	1.8	13.9	1.2	2.6	8.8	28.4	19.2	48.7	2.5	1.4	18.9
NEW ENGLAND DIVISION	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	22	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	11.0
PENNSYLVANIA	7	4	.5	3.8	.3	.7	2.4	8.4	5.5	14.4	(D)	.5	6.3
NORTH CENTRAL REGION	59	38	12.4	100.5	8.6	17.7	67.1	170.0	144.7	316.2	6.9	5.9	65.7
EAST NORTH CENTRAL DIVISION	49	33	11.8	96.5	8.2	17.0	64.8	160.2	137.9	299.9	6.4	5.5	59.7
OHIO	17	13	3.4	28.4	2.3	4.8	19.2	45.0	47.8	93.4	1.4	2.7	26.5
ILLINOIS	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	17.0
MICHIGAN	15	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	13.6
WISCONSIN	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	10	5	.6	3.9	.4	.8	2.2	9.9	6.8	16.2	.5	.5	6.0
IOWA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3536-- HOISTS, CRANES, AND MONORAILS--CON.													
SOUTH REGION	19	7	1.3	9.5	.9	2.0	5.6	19.8	14.0	33.5	1.5	.9	11.2
EAST SOUTH CENTRAL DIVISION	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	7.0
ARKANSAS	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	8	1	.2	1.4	.1	.3	1.0	3.9	3.1	6.9	(D)	.1	1.9
WEST REGION	35	12	1.2	10.3	.9	1.7	6.5	23.3	24.1	46.1	.4	1.4	16.5
PACIFIC DIVISION	33	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	26	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3537-- INDUSTRIAL TRUCKS AND TRACTORS													
UNITED STATES	351	140	27.0	199.7	17.7	36.5	115.6	408.6	381.7	778.0	23.9	17.6	233.1
NORTHEAST REGION	74	29	6.6	48.6	4.1	8.6	26.8	89.6	77.8	166.1	5.4	4.7	61.5
NEW ENGLAND DIVISION	14	7	1.4	9.2	.9	1.8	5.5	11.8	11.9	26.5	(D)	.9	10.4
MASSACHUSETTS	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	60	22	5.3	39.4	3.2	6.9	21.3	77.8	66.0	139.7	(D)	3.9	51.1
NEW YORK	24	8	1.2	8.4	.8	1.5	4.4	21.3	16.6	35.2	3.1	.8	13.4
PENNSYLVANIA	25	13	4.0	30.4	2.4	5.3	16.6	55.6	48.7	102.9	1.9	3.0	36.6
NORTH CENTRAL REGION	141	70	14.6	109.1	9.7	20.2	67.5	234.4	231.3	459.4	12.8	8.7	124.3
EAST NORTH CENTRAL DIVISION	114	60	13.7	104.1	9.1	18.9	64.7	223.6	224.8	442.4	12.6	8.1	119.3
OHIO	40	23	5.3	39.9	3.4	7.1	25.0	73.2	62.2	132.3	7.1	3.1	35.0
INDIANA	9	4	.2	1.1	.1	.3	.8	2.4	3.4	5.5	(Z)	.1	1.6
ILLINOIS	24	11	4.7	36.4	3.2	6.6	22.4	82.5	82.8	162.1	4.7	2.4	42.2
MICHIGAN	28	14	3.0	23.4	2.0	4.2	14.4	57.9	68.8	127.5	.5	2.2	36.9
WISCONSIN	13	8	.5	3.4	.4	.8	2.1	7.7	7.5	15.0	.2	.3	3.7
WEST NORTH CENTRAL DIVISION	27	10	.9	5.0	.6	1.3	2.8	10.8	6.5	17.0	.2	.6	5.0
MINNESOTA	8	3	.3	2.1	.2	.5	1.2	3.5	2.4	5.7	(D)	.3	2.2
IOWA	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.3
MISSOURI	8	2	.2	1.0	.1	.3	.5	1.9	1.4	3.3	(Z)	[2](D)	[2](D)
SOUTH REGION	58	22	2.1	12.2	1.5	3.0	6.7	23.4	27.6	49.5	1.5	1.7	17.6
SOUTH ATLANTIC DIVISION	27	7	.3	1.9	.3	.5	1.2	3.9	4.1	8.1	.2	.5	5.0
EAST SOUTH CENTRAL DIVISION	17	8	1.2	6.7	.8	1.7	3.5	12.1	14.3	26.3	.8	.7	7.4
TENNESSEE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.9
ALABAMA	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	14	7	.5	3.6	.4	.8	1.9	7.3	9.1	15.1	.5	.5	5.2
TEXAS	9	6	.5	3.4	.3	.7	1.8	6.9	8.5	14.0	.5	.4	4.8
WEST REGION	78	19	3.8	29.8	2.4	4.6	14.7	61.2	45.0	103.0	4.2	2.4	29.7
PACIFIC DIVISION	75	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OREGON	19	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	14.7
CALIFORNIA	54	13	1.5	10.6	1.0	1.9	5.6	19.7	20.0	39.6	1.0	1.0	14.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Items	Construction machinery (SIC 3531)	Mining machinery (SIC 3532)	Oilfield machinery (SIC 3533)	Elevators and moving stairways (SIC 3534)	Conveyors and conveying equipment (SIC 3535)	Hoists, cranes, and monorails (SIC 3536)	Industrial trucks and tractors (SIC 3537)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.88	.78	.85	.94	.85	.78	.93
COVERAGE RATIO[2]	.92	.82	.92	.95	.83	.83	.86
ESTABLISHMENTS, TOTAL .NUMBER	651	212	360	144	446	141	351
WITH 1 TO 19 EMPLOYEES .DO	293	102	186	66	230	70	211
WITH 20 TO 99 EMPLOYEES .DO	177	72	105	54	150	49	100
WITH 100 EMPLOYEES OR MORE .DO	181	38	69	24	66	22	40
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	133.1	21.7	32.7	13.9	27.4	16.8	27.0
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	989.4	156.7	240.4	107.6	213.3	134.3	199.7
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	98.6	14.9	21.7	8.8	16.8	11.6	17.7
MARCH .DO	100.7	15.1	22.1	8.7	17.1	11.7	18.1
MAY .DO	99.7	15.0	21.4	8.8	16.8	11.6	17.5
AUGUST .DO	97.3	15.0	21.6	8.8	16.9	11.9	18.0
NOVEMBER .DO	96.7	14.5	21.8	8.9	16.4	11.4	17.3
MAN-HOURS .MILLIONS	193.9	29.7	46.1	18.1	35.0	24.1	36.5
JANUARY-MARCH .DO	52.1	7.8	11.7	4.6	9.0	6.2	9.4
APRIL-JUNE .DO	50.8	7.6	11.4	4.6	8.8	6.1	9.3
JULY-SEPTEMBER .DO	45.5	7.0	11.2	4.3	8.7	5.7	9.0
OCTOBER-DECEMBER .DO	45.5	7.2	11.8	4.6	8.6	6.0	8.9
WAGES MILLION DOLLARS	673.4	95.8	143.4	63.4	112.0	88.0	115.6
COST OF MATERIALS, ETC., TOTAL .DO	2 103.6	313.5	305.3	128.4	353.4	202.1	381.7
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	1 929.9	259.9	261.9	122.3	272.0	178.7	333.4
COST OF RESALES .DO	100.1	37.8	28.3	2.2	62.3	10.3	25.8
FUELS CONSUMED .DO	14.2	1.8	2.7	.7	1.5	1.2	1.4
PURCHASED ELECTRIC ENERGY .DO	18.8	2.8	5.0	1.4	2.7	1.7	2.0
CONTRACT WORK .DO	40.6	11.2	7.4	1.8	14.9	10.3	19.0
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	4 138.0	622.2	799.8	319.7	763.0	444.4	778.0
VALUE OF RESALES .DO	136.9	45.5	33.8	3.0	75.8	13.1	40.7
VALUE ADDED BY MANUFACTURE .DO	2 056.5	308.3	502.9	196.1	415.8	241.6	408.6
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL .DO	1 030.1	171.0	245.0	95.8	124.8	95.7	176.7
FINISHED PRODUCTS .DO	261.5	67.5	123.2	32.9	23.4	15.8	49.4
WORK IN PROCESS .DO	395.5	53.8	58.2	21.4	50.7	44.2	67.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	373.1	49.7	63.6	41.5	50.8	35.7	60.2
END OF YEAR, TOTAL .DO	1 034.2	171.2	257.6	96.6	129.2	96.2	193.4
FINISHED PRODUCTS .DO	270.8	72.5	128.0	36.1	25.5	14.5	62.7
WORK IN PROCESS .DO	408.4	48.4	61.8	23.0	54.7	44.7	66.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	355.1	50.3	67.7	37.5	48.9	36.9	64.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	188.3	20.5	25.9	4.2	15.0	12.1	25.5
NEW PLANT AND EQUIPMENT, TOTAL .DO	184.9	18.4	23.7	3.9	13.6	11.3	23.9
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	44.1	3.8	5.1	.7	5.1	3.0	9.6
NEW MACHINERY AND EQUIPMENT .DO	140.8	14.6	18.5	3.2	9.4	8.4	14.2
USED PLANT AND EQUIPMENT .DO	3.3	2.1	2.2	.3	1.3	.7	1.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3531-- CONSTRUCTION MACHINERY											
ESTABLISHMENTS, TOTAL	651	133.1	989.4	98.6	193.9	673.4	2 056.5	2 103.6	4 138.0	184.9	1 034.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	164	.3	1.8	.3	.4	1.2	3.9	4.5	8.4	(Z)	1.8
5 TO 9 EMPLOYEES	61	.4	2.8	.3	.6	1.9	5.6	6.3	12.0	.2	2.0
10 TO 19 EMPLOYEES	68	.9	6.4	.7	1.5	3.9	12.4	13.3	25.5	.6	4.2
20 TO 49 EMPLOYEES	103	3.3	23.0	2.4	5.1	14.5	42.6	43.7	86.0	2.1	18.1
50 TO 99 EMPLOYEES	74	5.3	37.8	3.8	7.7	23.5	75.1	82.9	153.1	5.3	44.0
100 TO 249 EMPLOYEES	79	13.0	86.8	9.2	18.4	53.5	174.6	189.0	360.4	7.1	102.7
250 TO 499 EMPLOYEES	48	17.5	123.0	11.9	25.0	74.9	204.5	264.4	453.1	13.3	149.9
500 TO 999 EMPLOYEES	26	18.9	140.8	14.1	28.1	97.5	312.6	308.5	629.1	44.9	160.8
1,000 TO 2,499 EMPLOYEES	19	26.1	201.3	19.0	38.4	133.8	403.1	533.5	929.5	18.6	288.7
2,500 EMPLOYEES OR MORE	9	47.3	365.6	37.0	68.8	268.7	822.1	657.6	1 480.9	92.8	262.0
ESTABS. COVERED BY ADMIN. RECORDS[1e]	147	.3	1.7	.3	.4	1.2	3.4	3.5	6.9	.1	1.6
3532-- MINING MACHINERY											
ESTABLISHMENTS, TOTAL	212	21.7	156.7	14.9	29.7	95.8	308.3	313.5	622.2	18.4	171.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	51	.1	.6	.1	.1	.3	1.9	1.8	3.8	(Z)	.9
5 TO 9 EMPLOYEES	13	.1	.6	.1	.1	.4	1.4	1.1	2.6	(Z)	.5
10 TO 19 EMPLOYEES	38	.6	3.7	.4	.8	2.3	8.4	8.3	16.5	.8	3.3
20 TO 49 EMPLOYEES	46	1.5	12.0	1.0	2.1	6.7	23.8	22.4	45.7	.9	10.0
50 TO 99 EMPLOYEES	26	1.9	13.4	1.4	2.7	8.3	28.1	30.6	58.4	1.5	12.1
100 TO 249 EMPLOYEES	17	2.7	17.9	1.9	3.9	11.2	30.2	34.2	66.8	1.0	12.5
250 TO 499 EMPLOYEES	9	2.8	20.3	2.0	4.2	13.2	45.7	58.0	99.5	2.2	26.3
500 TO 999 EMPLOYEES	9	12.2	88.2	8.0	15.6	53.4	168.7	157.0	328.8	12.0	105.6
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	41	.1	.4	.1	.1	.3	1.2	1.2	2.4	(Z)	.6
3533-- OILFIELD MACHINERY											
ESTABLISHMENTS, TOTAL	360	32.7	240.4	21.7	46.1	143.4	502.9	305.3	799.8	23.7	257.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	103	.1	1.0	.1	.2	.6	2.9	2.0	4.9	.4	1.2
5 TO 9 EMPLOYEES	32	.2	1.4	.2	.3	.9	4.2	2.5	6.7	.1	1.1
10 TO 19 EMPLOYEES	51	.7	4.8	.5	1.0	3.1	11.9	5.6	17.5	.3	2.7
20 TO 49 EMPLOYEES	61	2.0	14.1	1.4	2.8	8.4	27.8	22.0	49.4	1.1	11.5
50 TO 99 EMPLOYEES	44	3.1	22.3	2.1	4.4	12.9	49.7	34.5	83.5	2.1	22.1
100 TO 249 EMPLOYEES	37	5.9	43.0	3.9	8.1	24.7	100.8	55.7	155.2	5.0	44.3
250 TO 499 EMPLOYEES	15	5.3	40.1	3.2	6.9	21.3	93.3	57.3	150.7	3.5	43.7
500 TO 999 EMPLOYEES	13	8.4	60.5	5.4	12.2	37.0	109.9	83.1	190.4	6.6	83.8
1,000 TO 2,499 EMPLOYEES	3	7.0	53.2	4.9	10.1	34.5	102.3	42.6	141.5	4.4	47.2
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	73	.1	.6	.1	.1	.4	1.8	1.2	3.0	(Z)	.8
3534-- ELEVATORS AND MOVING STAIRWAYS											
ESTABLISHMENTS, TOTAL	144	13.9	107.6	8.8	18.1	63.4	196.1	128.4	319.7	3.9	96.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	32	.1	.5	.1	.1	.3	1.2	.7	1.8	(Z)	.4
5 TO 9 EMPLOYEES	13	.1	.8	.1	.1	.5	1.9	1.2	3.1	(Z)	.3
10 TO 19 EMPLOYEES	21	.3	2.1	.2	.4	1.5	4.7	2.2	6.9	.2	.8
20 TO 49 EMPLOYEES	34	1.1	9.1	.8	1.6	5.6	16.2	12.7	29.1	.3	4.0
50 TO 99 EMPLOYEES[e]	20	1.4	11.1	.9	1.8	6.4	23.3	14.7	37.7	.7	7.1
100 TO 249 EMPLOYEES	11	1.7	12.4	1.1	2.4	7.8	22.5	16.2	39.1	.3	9.0
250 TO 499 EMPLOYEES	7	2.7	21.2	1.7	3.5	12.4	37.4	22.5	59.0	.7	18.7
500 TO 999 EMPLOYEES	3	6.5	50.4	4.0	8.1	28.9	89.0	58.2	143.0	1.6	56.2
1,000 TO 2,499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	30	.1	.5	.1	.1	.3	1.4	.8	2.1	.1	.5
3535-- CONVEYORS AND CONVEYING EQUIPMENT											
ESTABLISHMENTS, TOTAL	446	27.4	213.3	16.8	35.0	112.0	415.8	353.4	763.0	13.6	129.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	124	.2	1.7	.2	.3	.9	4.0	3.6	7.6	.2	1.1
5 TO 9 EMPLOYEES[e]	39	.3	2.3	.2	.4	1.3	4.4	3.9	8.2	.2	1.0
10 TO 19 EMPLOYEES	67	1.0	7.3	.7	1.3	4.2	14.3	11.2	25.0	.4	2.8
20 TO 49 EMPLOYEES	97	3.0	23.1	2.0	4.3	13.4	42.8	34.3	76.1	1.7	8.7
50 TO 99 EMPLOYEES	53	3.7	28.4	2.5	5.3	16.0	54.7	45.4	99.6	1.9	17.4
100 TO 249 EMPLOYEES	42	6.7	52.2	4.1	8.7	26.8	102.5	90.3	194.3	3.6	36.3
250 TO 499 EMPLOYEES	12	4.6	35.9	2.7	5.6	18.2	66.6	55.6	120.1	2.2	23.7
500 TO 999 EMPLOYEES	12	8.0	62.5	4.4	9.1	31.3	126.6	109.0	232.0	3.4	38.2
ESTABS. COVERED BY ADMIN. RECORDS[1e]	122	.3	2.1	.3	.3	1.1	5.2	3.9	9.1	.2	1.3

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967–Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3536-- HOISTS, CRANES, AND MONORAILS											
ESTABLISHMENTS, TOTAL	141	16.8	134.3	11.6	24.1	88.0	241.6	202.1	444.4	11.3	96.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	30	(Z)	.3	(Z)	.1	.2	.8	.8	1.7	(Z)	.3
5 TO 9 EMPLOYEES	15	.1	.9	.1	.2	.5	1.7	2.0	3.7	(Z)	.5
10 TO 19 EMPLOYEES	25	.3	2.8	.3	.5	1.8	6.4	7.2	13.4	.2	2.5
20 TO 49 EMPLOYEES	28	.9	7.2	.6	1.3	4.7	13.1	13.5	26.6	.8	4.5
50 TO 99 EMPLOYEES	21	1.5	10.8	1.0	2.1	6.7	25.8	19.4	43.2	1.1	9.4
100 TO 249 EMPLOYEES	7	.9	6.9	.7	1.6	5.5	13.6	11.8	24.1	1.0	5.4
250 TO 499 EMPLOYEES	7	2.6	20.2	1.7	3.6	11.4	42.7	28.7	72.2	2.9	14.0
500 TO 999 EMPLOYEES	4	2.8	21.3	2.0	3.8	15.3	33.2	32.8	65.8	1.9	17.1
1,000 TO 2,499 EMPLOYEES	3	7.6	63.8	5.2	10.9	41.9	104.2	85.8	193.9	3.5	42.6
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3537-- INDUSTRIAL TRUCKS AND TRACTORS											
ESTABLISHMENTS, TOTAL	351	27.0	199.7	17.7	36.5	115.6	408.6	381.7	778.0	23.9	193.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	104	.2	1.2	.2	.2	.7	3.0	2.8	5.8	.1	1.2
5 TO 9 EMPLOYEES[6]	44	.3	2.0	.2	.4	1.2	4.2	4.3	8.5	.2	1.3
10 TO 19 EMPLOYEES	63	.9	5.7	.6	1.3	3.6	12.0	10.4	22.3	.4	3.4
20 TO 49 EMPLOYEES	64	1.9	11.9	1.5	2.9	8.1	22.4	22.4	43.7	1.0	6.6
50 TO 99 EMPLOYEES	36	2.5	16.6	1.8	3.6	9.4	27.9	36.5	63.2	1.3	12.8
100 TO 249 EMPLOYEES	19	3.1	21.5	2.2	4.8	12.8	41.4	37.0	78.1	1.4	15.8
250 TO 499 EMPLOYEES	10	3.8	25.4	2.6	5.3	15.6	46.4	42.4	85.7	2.4	27.7
500 TO 999 EMPLOYEES	5	4.0	29.3	2.7	5.5	17.5	66.5	74.2	137.5	7.1	36.1
1,000 TO 2,499 EMPLOYEES	5	10.3	86.2	5.8	12.5	46.5	184.6	151.8	333.2	10.0	88.6
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,6]	98	.2	1.3	.2	.3	.8	3.2	3.0	6.2	.1	1.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [6]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3531	Construction machinery.....1967..	4,138.0	3,459.0	486.3	192.7	88	3,766.6	3,459.0	307.6	92
	1963..	2,696.0	2,332.1	229.4	134.5	91	2,624.2	2,332.1	292.1	89
3532	Mining machinery.....1967..	622.2	427.7	120.8	73.7	78	521.5	427.7	93.8	82
	1963..	417.6	274.4	91.8	51.4	75	336.2	274.4	61.8	82
3533	Oilfield machinery.....1967..	799.8	605.0	104.3	90.5	85	660.7	605.0	55.7	92
	1963..	666.5	518.7	59.5	88.3	90	572.7	518.7	54.0	91
3534	Elevators and moving stairways.....1967..	[1]319.7	280.0	16.6	[1]23.1	94	295.9	280.0	15.9	95
	1963..	318.6	235.1	8.5	75.1	97	248.2	235.1	13.1	95
3535	Conveyors and conveying equipment.....1967..	763.0	544.6	98.1	120.3	85	655.4	544.6	110.8	83
	1963..	494.6	342.5	77.9	74.3	82	414.9	342.5	72.4	83
3536	Hoists, cranes, and monorails.....1967..	444.4	320.0	90.0	34.4	78	385.3	320.0	65.3	83
	1963..	220.0	157.2	40.1	22.6	80	224.2	157.2	67.0	70
3537	Industrial trucks and tractors.....1967..	778.0	672.4	49.8	55.8	93	780.7	672.4	108.3	86
	1963..	447.0	370.3	43.3	33.4	90	458.7	370.3	88.5	81

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

[1]See table 1A, footnote 3.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Construction machinery (SIC 3531)	Mining machinery (SIC 3532)	Oilfield machinery (SIC 3533)	Elevators and moving stairways (SIC 3534)	Conveyors and conveying equipment (SIC 3535)	Hoists, cranes, and monorails (SIC 3536)	Industrial trucks and tractors (SIC 3537)	Other industries
	Total shipments and miscellaneous receipts	(X)	4,138.0	622.2	799.8	319.7	763.0	444.4	778.0	(X)
3531-	Construction machinery.....	3,766.6	3,459.0	32.2	16.6	-	1.4	34.5	16.6	206.3
35311	Contractors' off-highway wheel tractors, except parts and attachments.....	132.3	132.3	-	-	-	-	-	-	-
35312	Tracklaying-type tractors, except parts and attachments.....	389.9	(D)	-	-	-	-	-	-	(D)
35313	Parts and attachments for tracklaying-type tractors, contractors' off-highway wheel tractors, and tractor shovel loaders.....	604.2	545.1	(D)	-	-	-	(Z)	-	(D)
35314	Power cranes (including locomotive and full-circle revolving with booms) draglines, shovels and parts.....	656.5	616.6	(Z)	(D)	-	(D)	(D)	(D)	6.0
35316	Mixers, pavers, and related equipment, excluding parts.....	162.3	147.6	0.4	(D)	-	0.4	(D)	-	13.4
35317	Tractor shovel loaders, excluding parts and attachments.....	411.6	396.5	(D)	-	-	-	-	-	(D)
35318	Scrapers, graders, rollers, and off-highway trucks, trailers and wagons (excluding parts).....	711.4	647.0	(Z)	(D)	-	(D)	(D)	2.9	58.0
35319	Other construction machinery and equipment, including parts.....	613.9	507.5	18.3	12.1	-	(D)	(D)	11.1	60.3
35310	Construction machinery n.s.k.....	84.5	(D)	0.2	-	-	-	-	(D)	(D)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Construction machinery (SIC 3531)	Mining machinery (SIC 3532)	Oilfield machinery (SIC 3533)	Elevators and moving stairways (SIC 3534)	Conveyors and conveying equipment (SIC 3535)	Hoists, cranes, and monorails (SIC 3536)	Industrial trucks and tractors (SIC 3537)	Other industries
	Total shipments and miscellaneous receipts--Continued									
3532-	Mining machinery	521.5	16.3	427.7	(5-10)	-	(10-20)	(under 2)	-	56.4
35321	Underground mining and mineral benefication machinery and equipment	101.4	2.1	94.7	(D)	-	(D)	-	-	(D)
35322	Crushing, pulverizing and screening machinery	78.5	(D)	47.9	-	-	(D)	(D)	-	18.8
35323	All other mining machinery and equipment	50.1	(D)	34.7	-	-	(D)	-	-	9.1
35324	Parts and attachments for mining machinery and equipment	257.2	7.6	218.7	(D)	-	-	-	-	(D)
35320	Mining machinery, n.s.k.	34.3	(Z)	31.7	(D)	-	-	-	-	(D)
3533-	Oilfield machinery	660.7	3.3	-	605.0	-	-	-	-	52.4
35331	Rotary oil and gas field drilling machinery and equipment	243.5	(D)	-	219.7	-	-	-	-	(D)
35332	Other oil and gas field drilling machinery and equipment	43.5	-	-	41.8	-	-	-	-	1.7
35333	Oil and gas field production machinery and equipment (except pumps)	260.5	-	-	237.5	-	-	-	-	23.0
35334	Other oil and gas field machinery and tools (except pumps), including water well	65.4	1.9	-	59.5	-	-	-	-	4.0
35330	Oil field machinery, n.s.k.	47.9	(D)	-	46.5	-	-	-	-	(D)
3534-	Elevators and moving stairways	295.9	(Z)	-	-	280.0	3.8	(Z)	0.3	11.8
3535-	Conveyors and conveying equipment	655.4	16.7	17.7	-	(Z)	544.6	(Z)	2.1	74.3
35351	Conveyors and conveying equipment (except hoists and farm elevators)	478.9	12.9	(D)	-	(Z)	399.3	(Z)	(D)	47.5
35352	Parts, attachments and accessories for conveyors and conveying systems	118.6	2.9	(D)	-	-	89.7	-	(D)	25.5
35350	Conveyors and conveying equipment n.s.k.	57.9	1.0	-	-	-	55.5	-	-	1.4
3536-	Hoists, cranes and monorails	385.3	12.7	8.5	0.4	-	3.5	320.0	-	40.2
35361	Hoists	144.9	12.6	(D)	0.4	-	(D)	100.7	-	23.9
35362	Overhead traveling cranes and monorail systems	215.1	0.1	(D)	-	-	(D)	199.6	-	10.7
35360	Hoists, cranes and monorails, n.s.k.	25.3	(Z)	-	-	-	-	19.7	-	5.6
3537-	Industrial trucks and tractors	780.7	42.4	(under 2)	-	(under 2)	3.4	6.5	672.4	55.3
	Other product shipments by 4-digit product group									
1911-	Guns, Howitzers, and mortars	(X)	-	-	(over 2)	-	-	-	-	(X)
1929-	Ammunition except for small arms, n.e.c.	(X)	(over 2)	-	-	-	-	-	-	(X)
2542-	Metal partitions and fixtures	(X)	-	-	-	(under 2)	(2-5)	-	(under 2)	(X)
3291-	Abrasive products	(X)	(2-5)	-	-	-	(under 2)	-	-	(X)
3323-	Steel castings	(X)	5.6	-	(under 2)	-	-	-	-	(X)
3391-	Iron and steel forgings	(X)	(5-10)	-	(under 2)	-	-	(under 2)	-	(X)
3429-	Hardware, n.e.c.	(X)	-	-	-	-	(2-5)	-	3.7	(X)
3433-	Heating equipment, except electric	(X)	(2-5)	(under 2)	-	-	-	-	-	(X)
3441-	Fabricated structural steel	(X)	6.0	(under 2)	(under 2)	(under 2)	5.3	(5-10)	0.9	(X)
3442-	Metal doors, sash, and trim	(X)	-	-	-	(under 2)	(2-5)	-	(under 2)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	7.9	(under 2)	8.4	(under 2)	0.7	(under 2)	1.3	(X)
3449	Miscellaneous metalwork	(X)	(over 2)	-	(under 2)	-	-	(under 2)	-	(X)
3481	Miscellaneous fabricated wire products	(X)	(under 2)	(over 2)	(under 2)	-	(under 2)	-	-	(X)
3494	Valves and pipe fittings	(X)	-	(under 2)	8.2	(under 2)	(under 2)	-	(under 2)	(X)
3499	Fabricated metal products, n.e.c.	(X)	(5-10)	-	(under 2)	-	(2-5)	-	-	(X)
3519	Internal combustion engines, n.e.c.	(X)	(100-200)	(over 2)	-	-	-	-	-	(X)
3522	Farm machinery	(X)	95.5	(under 2)	-	-	0.9	-	1.2	(X)
3541	Machine tools, metal-cutting types	(X)	(10-20)	-	-	-	(under 2)	-	-	(X)
3542	Machine tools, metal-farming types	(X)	-	(under 2)	(under 2)	-	-	(over 2)	-	(X)
3548	Metalworking machinery, n.e.c.	(X)	(2-5)	(under 2)	-	(over 2)	(under 2)	(under 2)	(under 2)	(X)
3551	Food products machinery	(X)	(under 2)	(under 2)	0.4	(under 2)	0.4	(2-5)	-	(X)
3553	Woodworking machinery	(X)	(2-5)	-	(under 2)	-	-	-	-	(X)
3554	Paper industries machinery	(X)	2.1	(under 2)	-	-	(under 2)	(under 2)	-	(X)
3559	Special industry machinery, n.e.c.	(X)	3.5	13.3	(under 2)	(over 2)	6.8	(over 2)	(under 2)	(X)
3561	Pumps and compressors	(X)	7.7	4.8	22.5	(under 2)	-	(under 2)	-	(X)
3564	Blowers and fans	(X)	-	-	-	-	3.0	-	-	(X)
3566	Power transmission equipment	(X)	(under 2)	(under 2)	(5-10)	-	5.1	-	(under 2)	(X)
3567	Industrial furnaces and ovens	(X)	(under 2)	(under 2)	-	-	(under 2)	(over 2)	-	(X)
3569	General industrial machinery, n.e.c.	(X)	0.7	(under 2)	-	(under 2)	3.0	(2-5)	-	(X)
3585	Refrigeration machinery	(X)	(over 2)	-	-	-	(under 2)	-	(under 2)	(X)
3586	Measuring and dispensing pumps	(X)	-	-	(over 2)	-	-	-	(over 2)	(X)
3589	Service industry machines, n.e.c.	(X)	(under 2)	(over 2)	-	-	(10-20)	-	-	(X)
3621	Motors and generators	(X)	(10-20)	(over 2)	-	-	(under 2)	(under 2)	(under 2)	(X)
3629	Electrical industrial apparatus, n.e.c.	(X)	(under 2)	(under 2)	-	-	(5-10)	-	(under 2)	(X)
3674	Semiconductors	(X)	-	-	-	-	(over 2)	-	-	(X)
3679	Electronic components, n.e.c.	(X)	-	-	-	(under 2)	-	-	(2-5)	(X)
3711	Motor vehicles	(X)	(10-20)	-	(under 2)	-	-	-	-	(X)
3713	Truck and bus bodies	(X)	2.9	-	-	-	(under 2)	(5-10)	(2-5)	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry miscellaneous receipts	All industries	Construction machinery (SIC 3531)	Mining machinery (SIC 3532)	Oilfield machinery (SIC 3533)	Elevators and moving stairways (SIC 3534)	Conveyors and conveying equipment (SIC 3535)	Hoists, cranes, and monorails (SIC 3536)	Industrial trucks and tractors (SIC 3537)	Other industries
	Total shipments and miscellaneous receipts--Continued									
3714	Motor vehicle parts and accessories	(X)	(20-50)	-	(under 2)	-	-	(under 2)	(under 2)	(X)
3715	Truck trailers	(X)	7.3	-	-	-	-	-	(under 2)	(X)
3731	Ship building and repairing	(X)	(under 2)	-	-	-	-	(over 2)	-	(X)
3741	Locomotives and parts	(X)	-	(2-5)	-	-	-	-	-	(X)
3799	Transportation equipment, n.e.c	(X)	(2-5)	-	(under 2)	-	-	(under 2)	(under 2)	(X)
	Other secondary products[1]	(X)	255.7	44.3	47.8	16.6	60.8	49.0	23.7	(X)
	Miscellaneous receipts, total	(X)	192.7	73.7	90.5	[2]23.1	120.3	34.4	55.8	(X)
93000	Contract work	(X)	26.2	5.6	40.3	2.9	4.8	1.6	4.1	(X)
99980	Sales of scrap and refuse	(X)	7.7	10.6	(X)	0.5	0.5	0.3	2.9	(X)
99980	Receipts for installation (or construction) of products	(X)	(X)	(X)	(X)	7.6	26.1	(X)	0.4	(X)
99980	Receipts for research and developmental work	(X)	0.2	0.1	(X)	(Z)	0.1	(Z)	1.3	(X)
99980	Receipts for repair work	(X)	5.1	3.3	9.0	6.0	6.2	12.3	4.1	(X)
99980	Other miscellaneous receipts	(X)	16.6	8.6	7.4	3.1	6.8	7.1	2.3	(X)
99989	Resales	(X)	136.9	45.5	33.8	3.0	75.8	13.1	40.7	(X)

Product code	Class of products, industry miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of primary products	
3531-	1919 Ammunition, except for small arms, n.e.c	(over 2)
3531-	3433 Heating equipment, except electric	(5-10)
3531-	3443 Fabricated platework (boiler shops)	5.0
3531-	3444 Sheet metalwork	2.1
3531-	3449 Miscellaneous metalwork	2.9
3531-	3494 Valves and pipe fittings	2.1
3531-	3519 Internal combustion engines, n.e.c	5.9
3531-	3522 Farm machinery	57.4
3531-	3541 Machine tools, metal-cutting types	2.8
3531-	3559 Special industry machinery, n.e.c	2.6
3531-	3567 Industrial furnaces and ovens	6.0
3531-	3569 General industrial machinery, n.e.c	7.2
3531-	3599 Miscellaneous machinery, except electrical	2.1
3531	3711 Motor vehicles	42.6
3531-	3713 Truck and bus bodies	2.6
3531-	3714 Motor vehicle parts and accessories	21.2
3531-	3729 Aircraft equipment, n.e.c	(2-5)
3531-	3731 Ship building and repairing	3.6
3531-	3742 Railroad and street cars	5.4
3531-	1929 Ammunition, except for small arms, n.e.c	2.1
3532-	3545 Machine tool accessories	10.6
3532-	3548 Metalworking machinery, n.e.c	3.4
3532-	3559 Special industry machinery, n.e.c	8.6
3532-	3561 Pumps and compressors	7.9
3532-	3564 Blowers and fans	(over 2)
3532-	3566 Power transmission equipment	(2-5)
3532-	3731 Ship building and repairing	7.1
3532-	3842 Surgical appliances and supplies	(over 2)
3533-	3391 Iron and steel forgings	(over 2)
3533-	3392 Nonferrous forgings	(over 2)

Product code	Class of products, industry miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of primary products--Continued	
3533-	3494 Valves and pipe fittings	4.3
3533-	3545 Machine tool accessories	(over 2)
3533-	3561 Pumps and compressors	9.6
3533-	3729 Aircraft equipment, n.e.c	(over 2)
3533-	3741 Locomotives and parts	(over 2)
3534-	3442 Metal doors, sash, and trim	(2-5)
3534-	3586 Measuring and dispensing pumps	6.4
3535-	3429 Hardware, n.e.c	2.8
3535-	3441 Fabricated structural steel	2.4
3535-	3443 Fabricated platework (boiler shops)	2.6
3535-	3444 Sheet metalwork	2.4
3535-	3545 Machine tool accessories	(over 2)
3535-	3551 Food products machinery	4.2
3535-	3559 Special industry machinery, n.e.c	4.0
3535-	3562 Ball and roller bearings	(over 2)
3535-	3564 Blowers and fans	2.1
3535-	3566 Power transmission equipment	22.9
3535-	3623 Welding apparatus	(over 2)
3536-	3441 Fabricated structural steel	4.1
3536-	3449 Miscellaneous metalwork	(over 2)
3536-	3548 Metalworking machinery, n.e.c	6.1
3536-	3621 Motors and generators	(over 2)
3536-	3662 Radio and TV communication equipment	(over 2)
3536-	3713 Truck and bus bodies	8.0
3537-	3315 Steel wire and related products	(over 2)
3537-	3429 Hardware, n.e.c	2.6
3537-	3449 Miscellaneous metalwork	4.4
3537-	3522 Farm machinery	10.2
3537-	3713 Truck and bus bodies	(over 2)
3537-	3714 Motor vehicle parts and accessories	10.0

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1] Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

[2] See table 1A, footnote 3.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3531- --	CONSTRUCTION MACHINERY, TOTAL	(X)	3,766.6	(X)	2,624.2
35311 --	Contractors' off-highway wheel tractors, except parts and attachments:				
	As reported in the census of manufactures[1,2]	(X)	132.3	(X)	102.7
	As reported on Census annual Form MA-35D[1,2]	(X)	118.2	(X)	101.0
35312 --	Tracklaying type tractors, except parts and attachments:				
	As reported in the census of manufactures[1]	(X)	389.9	(X)	317.4
	As reported on Census annual Form MA-35T[1]	(X)	377.8	(X)	314.4
35313 --	Parts and attachments for tracklaying tractors, contractors' off-highway wheel tractors, and tractor shovel loaders, total	(X)	604.2	(X)	[3]395.6
	Parts (for replacement and repair) and attachments for tracklaying type:				
	Tractors, and tracklaying tractor shovel loaders:				
35313 10, 70	As reported in the census of manufactures[1]	(X)	340.4	(X)	[3]291.6
	As reported on Census annual Form MA-35T[1]	(X)	352.5	(X)	291.5
	Parts (for replacement and repair) and attachments for contractors' off-highway wheel tractors:				
35313 65	As reported on the census of manufactures[1]	(X)	53.1	(X)	37.6
	As reported on Census annual Form MA-35D[1]	(X)	50.6	(X)	(NA)
35313 21	Parts sold to other plants producing tracklaying tractors, contractors' off-highway type wheel tractors, and tractor shovel loaders			(X)	48.2
35313 67	Parts (for replacement and repair) and attachments for wheel type tractor shovel loaders	(X)	199.5	(X)	[3]18.2
35313 00	Parts and attachments for tracklaying type tractors, contractors' off-highway wheel tractors, and tractor shovel loaders, n.s.k.	(X)	11.2	(X)	-
35314 --	Power cranes (including locomotive and full-circle revolving with booms), draglines, shovels and parts, total	(X)	656.5	(X)	464.8
	Products included in the census of manufactures and also on Census Form MQ-35D, or MA-35D:				
35314 10, 20	As reported in the census of manufactures[1]	(X)	526.4	(X)	328.2
	As reported in the Census Form M35D or MA-35D[1]	(X)	484.5	(X)	308.5
35314 81	Front end attachments, buckets, grapples, slings, etc., for power cranes, draglines, and shovels (sold separately)	(X)	18.2	(X)	15.1
35314 85	Parts for power cranes, draglines, and shovels	(X)	108.1	(X)	116.8
35314 00	Power cranes (including locomotive and full-circle revolving with booms), draglines, shovels, and parts, n.s.k.	(X)	3.8	(X)	4.6
35316 --	Mixers, pavers, and related equipment, excluding parts, total	(X)	162.3	(X)	132.0
	Products included in the census of manufactures and also on Census Form MQ-35D or MA-35D:				
35316 20, 37, 40, and 50	As reported in the census of manufactures[1]	(X)	127.5	(X)	89.1
	As reported on Census Form M35D or MA-35D[1]	(X)	112.8	(X)	87.8
35316 12	Mixers, portable, under 3-1/2 cubic foot capacity (except plaster and mortar), hand or power operated	(NA)	0.8	23.6	1.3
35316 31	Mixers, plaster and mortar	7.9	3.6	10.2	4.7
35316 34	Pavers, finishers and spreaders	8.1	14.9	10.2	19.9
35316 39	Concrete vibrators (including screeds)	30.7	5.4	22.3	4.6
35316 52	Other materials-aggregate spreaders and soil stabilization pavers	(NA)	3.7	5.3	7.8
35316 00	Mixers, pavers, and related equipment, excluding parts, n.s.k.	(X)	6.4	(X)	4.6
35317 --	Tractor shovel loaders, excluding parts and attachments, total	(X)	411.6	(X)	[3]295.3
	Tractor shovel loaders, wheel type excluding parts and attachments:				
35317 10	As reported in the census of manufactures[1]	(X)	277.0	(X)	152.1
	As reported on Census Form MQ-35D or MA-35D[1]	(X)	281.2	(X)	153.3
	Tractor shovel loaders, tracklaying type (20 net engine h.p. and over):				
35317 20	As reported in the census of manufactures[1]	(X)	134.5	(X)	[3]143.2
	As reported on Census annual Form MA-35T[1]	(X)	125.8	(X)	140.2
35318 --	Scrapers, graders, rollers, and off-highway trucks, trailers, and wagons (excluding parts):				
	As reported in the census of manufactures[1,2]	(X)	711.4	(X)	480.0
	As reported on Census Form MQ-35D or MA-35D[1,2]	(X)	657.2	(X)	451.0

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
	CONSTRUCTION MACHINERY--Continued				
35319 --	Other construction machinery and equipment, including parts, total	(X)	613.9	(X)	403.5
	Products included in the census of manufactures and also on Census Form MQ-35D and MA-35D:				
35319 20, 30, 55, 70	As reported in the census of manufactures[1]	(X)	98.2	(X)	80.4
	As reported on Census Form M35D or MA-35D[1]	(X)	(NA)	(X)	76.4
35319 05	Four-wheel drive, skid steer, loaders	(X)	[4]	(X)	[5]
35319 11	Dredging machinery, hydraulic and other types	(X)	19.7	(X)	14.2
35319 21	Railway maintenance of way equipment (rail layers, ballast spreaders, etc.) except rail cars	(X)	26.9	(X)	22.5
35319 23	Horizontal and vertical earth augers and power post hole diggers (excluding water well and blast hole drills)	(X)	8.2	(X)	[5]
35319 52	Winches, except winches for mounting on wheel or tracklaying tractors	(NA)	41.0	36.5	22.5
35319 61	Derricks, except oil and gas well (including gallows, frames, ginpole, stiff legs and guy)	1.0	3.3	0.9	3.8
35319 71	Handheld compaction equipment (including tampers, upright and vibratory compactors, etc.)	11.0	5.9	(X)	[5]
35319 81	Snow plows (for mounting on tractors or trucks), rotary blowers, "V" and single blades and wings (attachments only)	(NA)	19.8	(NA)	25.1
35319 83	Other excavation and road construction machinery, drawn ditchers and trenchers, contractors' handheld air tools (other than compaction equipment), drawn rollers, as well as other types of excavating and earthmoving equipment not specified above	(X)	[4] 28.8	(X)	[5] 41.4
35319 85	Parts and attachments for construction machinery and equipment (sold separately) (except parts and attachments for power cranes, draglines, shovels, and tractors)	(X)	278.6	(X)	144.1
35319 98	All other construction machinery and equipment (complete units)	(X)	55.8	(X)	45.0
35319 00	Other construction machinery and equipment, including parts, n.s.k.	(X)	27.7	(X)	4.5
35310 00	Construction machinery and equipment, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	77.6	(X)	33.2
35310 02	Construction machinery and equipment, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	6.9		
3532- --	MINING MACHINERY AND EQUIPMENT, TOTAL	(X)	521.5	(X)	336.2
35321 --	Underground mining machinery and related mining equipment:				
	As reported in the census of manufactures[1]	(X)	101.4	(X)	73.6
	As reported on Census Form MA-35F[1]	(X)	92.0	(X)	71.5
35322 --	Crushing, pulverizing, and screening machinery (stationary):				
	As reported in the census of manufactures[1]	(X)	78.5	(X)	58.0
	As reported on Census Form MA-35F[1]	(X)	72.3	(X)	54.6
35323 --	All other mining machinery and equipment:				
	As reported in the census of manufactures[1]	(X)	50.1	(X)	39.3
	As reported on Census Form MA-35F[1]	(X)	46.2	(X)	38.4
35324 --	Parts and attachments for mining machinery and equipment, total	(X)	257.2	(X)	158.0
35324 25	Construction rock drills, portable, handheld, or mounted	10.6	21.8	4.8	4.9
	Percussion rock drill bits:				
35324 31	Containing tungsten carbide	(X)	20.9	(X)	13.0
35324 35	Made entirely of steel			(X)	2.4
35324 41	Other drills, tools, and supplies for drills (sold separately)	(NA)	38.7	(X)	16.2
35324 75	Other parts and attachments for mining machinery and equipment (sold separately) (excluding drills)	(X)	168.4	(X)	121.1
35324 00	Parts and attachments for mining machinery and equipment, n.s.k.	(X)	7.4	(X)	0.6
35320 00	Mining machinery and equipment, n.s.k. (For companies with ten or more employees. See Note.)	(X)	31.9	(X)	7.3
35320 02	Mining machinery and equipment, n.s.k. (For companies with less than ten employees. See Note.)	(X)	2.4		

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3533- --	OILFIELD MACHINERY, TOTAL	(X)	660.7	(X)	572.7
35331 --	Rotary oilfield and gas field drilling machinery and equipment, total	(X)	243.5	(X)	217.2
	Rotary drilling surface equipment:				
35331 11	Blocks, crown and traveling	253	1.3	355	1.8
35331 12	Draw works and accessories	83	9.0	92	8.4
35331 14	Rotary tables	156	1.5	145	1.0
35331 15	Elevators, spiders, slips, hooks, links, and connectors	(X)	5.3	(X)	6.9
35331 16	Swivels and accessories	(X)	3.9	(X)	1.6
35331 17	Well control equipment (blow-out preventers, etc.)	(X)	19.4	(X)	10.6
35331 19	Other rotary drilling surface machinery and equipment	(X)	21.1	(X)	23.5
	Rotary drilling subsurface equipment:				
35331 41	Bits (quantity in thousands)	588	111.0	652	110.6
35331 42	Reamers	(X)	3.8	(X)	6.0
35331 43	Coring equipment	(X)	2.2	(X)	1.2
35331 44	Tool joints, subs, and connectors	(X)	19.8	(X)	17.9
35331 45	Drill collars (quantity in thousands)	17	10.9	12	8.1
35331 47	Fishing and cutting tools	(X)	8.3	(X)	6.4
35331 49	Other subsurface rotary driving equipment, including Kelly joints	(X)	13.0	(X)	12.3
35331 00	Rotary oilfield and gasfield drilling machinery and equipment, n.s.k.	(X)	13.0	(X)	1.2
35332 --	Other oilfield and gasfield drilling machinery and equipment, total	(X)	43.5	(X)	38.8
35332 31	Cable tool drilling machinery and equipment (including both surface and subsurface equipment)	(X)	5.7	(X)	2.8
	Cementing, floating, guiding, and shoe equipment:				
35332 51	Guide shoes, float collars, and combination guide and float shoes	(X)	8.4	(X)	6.8
35332 55	Other cementing equipment	(X)	9.9	(X)	7.0
35332 61	Parts for oil and gasfield drilling equipment sold separately (except parts for portable drilling rigs)	(X)	13.7	(X)	18.2
35332 98	Other oilfield and gasfield drilling equipment, except portable	(X)	5.8	(X)	4.0
35333 --	Oilfield and gasfield production machinery and equipment (except pumps), total	(X)	260.5	(X)	261.4
	Flowing well equipment, surface and subsurface:				
35333 11	Christmas tree assemblies	(X)	28.4	(X)	15.0
35333 13	Casing and tubing heads and supports	(X)	10.9	(X)	11.7
35333 15	Chokes, manifolds, and other accessories	(X)	15.4	(X)	16.8
35333 19	Rodless oil lifting machinery and equipment (other than pumps)	(X)	23.8	(X)	7.6
	Rod lifting machinery and equipment, surface, including pumps when they are components of a complete assembly:				
35333 53	Pumping units and accessories, including back crank equipment	6,089	28.8	9,138	41.4
35333 55	Other surface rod lifting machinery and equipment	(X)	1.6	(X)	2.0
35333 57	Rod lifting equipment, subsurface, except pumps (quantity represents thousands of sucker rods shipped)	1,577	20.7	2,594	24.6
	Other production machinery and equipment:				
35333 61	Packers	(X)	38.7	(X)	17.3
35333 65	Screens, tubing, catchers, etc	(X)	11.0	(X)	8.5
35333 71	Oil and gas separating, metering, and treating equipment (quantity represents thousands of separators)	21	16.1	16	13.9
35333 81	Parts for oilfield and gasfield machinery and tools, sold separately, including parts for portable drilling rigs but excluding parts for other drilling equipment	(X)	11.2	(X)	19.5
35333 98	Other oilfield and gasfield machinery and tools	(X)	38.8	(X)	78.5
35333 00	Oilfield and gasfield production machinery and equipment (except pumps), n.s.k	(X)	15.0	(X)	4.6
35334 --	Other oilfield and gasfield machinery and tools (except pumps) including water well, total	(X)	65.4	(X)	43.3
	Portable drilling rigs, permanently mounted on truck or trailer:				
	Oilfield and gasfield:				
35334 11	Cable tool	(6)	(6)	122	3.5
35334 13	Rotary rigs	165	9.2	298	14.6
	Water well and blast hole:				
35334 15	Cable tool	6274	66.5	397	2.9
35334 17	Rotary rigs	100	4.8	209	6.7
35334 21	Derricks, oilfield and gasfield, substructures, and accessories--regular and portable, including equipment shipped "knocked down" and assembled on the site)	(NA)	25.3	(NA)	8.1
35334 31	Well surveying machinery and equipment	(X)	13.1	(X)	7.1
35334 00	Other oilfield and gasfield machinery and tools, n.s.k	(X)	6.6	(X)	(Z)

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3533- --	OILFIELD MACHINERY--Continued				
35330 00	Oilfield machinery and equipment, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	44.9	(X)	11.9
35330 02	Oilfield machinery and equipment, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	3.0		
3534- --	ELEVATORS AND MOVING STAIRWAYS, TOTAL	(X)	295.9	(X)	248.2
	Elevators (except farm and portable):				
35340 11	Electric passenger (except residence lifts)	6,385	116.0	5,930	108.1
35340 12	Hydraulic passenger	2,733	21.0	2,184	13.3
35340 13	Electric freight	856	7.1	1,040	10.8
35340 15	Hydraulic freight	1,685	9.5	2,536	11.6
35340 31	Automobile lifts (service station and garage type)	45,178	26.6	34,026	20.0
35340 51	Moving stairways and escalators	732	14.4	672	12.7
35340 96	Other nonfarm elevators (including sidewalk elevators, dumbwaiters, man lifts, hand-operated freight elevators, residence lifts, etc.)	(X)	16.8	(X)	9.9
35340 97	Parts and attachments for elevators and moving stairways (sold separately)	(X)	56.0	(X)	53.7
35340 00	Elevators and moving stairways, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	26.4	(X)	8.1
35340 02	Elevators and moving stairways, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	2.1		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3535- --	CONVEYORS AND CONVEYING EQUIPMENT, TOTAL	655.4	414.8
35351 --	Conveyors and conveying equipment (except hoists and farm elevators)	478.9	306.2
35351 11	Gravity conveyors (skate, wheel, and roller)	45.3	29.9
35351 31	Overhead trolley conveyor systems	44.0	38.1
35351 41	Pneumatic tube systems, including foot-power units	29.9	13.5
35351 51	Portable conveyors (except farm)	28.8	13.1
35351 61	Underground mine conveyors and conveying systems		11.6
	Other conveyors and conveying systems (including specially engineered conveyor installations):		
	Bulk material conveyors:		
35351 65	Belt conveyors and systems for bulk materials	186.0	113.8
35351 67	Bucket elevators and other bulk material conveyors except belt conveyors	38.0	
35351 73	Package (unit) conveyors	84.6	81.2
35351 00	Conveyors and conveying equipment (except hoists), n.s.k.	22.3	4.9
35352 11	Parts, attachments, and accessories for conveyors and conveying systems (sold separately)	118.6	88.0
35350 00	Conveyors and conveying equipment (including parts), n.s.k. (For companies with 10 or more employees. See Note.)	49.7	20.6
35350 02	Conveyors and conveying equipment (including parts), n.s.k. (For companies with less than 10 employees. See Note.)	8.2	

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3536- --	HOISTS, CRANES, AND MONORAILS, TOTAL	(X)	385.3	(X)	224.2
35361 --	Hoists, total	(X)	144.9	(X)	105.0
35361 12	Hand and electric chain hoists	164.8	27.5	168.4	22.8
35361 14	Mine shaft and slope electric wire rope hoists	(X)	(7)	0.2	3.0
35361 16	Other electric wire rope hoists	29.1	31.0	22.7	20.3
35361 37	Air hoists	11.6	11.5	11.4	10.1
35361 38	Other hoists	(NA)	[7]46.1	112.0	32.0
35361 45	Parts and attachments for hoists (sold separately)	(X)	22.0	(X)	16.1
35361 00	Hoists, n.s.k.	(X)	6.6	(X)	0.6
35362 --	Overhead traveling cranes and monorail systems, total	(X)	215.1	(X)	115.7
	Cranes (except construction power cranes):				
	Electric overhead traveling:				
35362 12	Bridge type	9.7	160.6	3.1	79.0
35362 14	Other, including jib type	(NA)	7.8	2.4	7.7
35362 15	Hand power overhead traveling	1.9	2.3	2.0	2.3
35362 53	Monorail systems	(NA)	23.7	2.8	13.2
35362 55	Parts and attachments for overhead traveling cranes and monorail systems (sold separately)	(X)	16.9	(X)	13.0
35362 00	Overhead traveling cranes and monorail systems, n.s.k.	(X)	3.8	(X)	0.4
35360 00	Hoists, industrial cranes, and monorail systems, n.s.k. (Companies with 10 or more employees. See Note.)	(X)	23.6	(X)	3.5
35360 02	Hoists, industrial cranes, and monorail systems, n.s.k. (Companies with less than 10 employees. See Note.)	(X)	1.7		
3537- --	INDUSTRIAL TRUCKS AND TRACTORS, TOTAL	(X)	780.7	(X)	458.7
	Powered trucks and tractors:				
35370 11	Motorized handtrucks, pedestrian controlled	13.1	27.8	10.9	21.3
	Industrial trucks (operator riding) and tractors:				
	Electric (storage battery, gas-electric, gasoline-electric, diesel-electric, tethered electric):				
35370 23	Powered industrial trucks	20.7	120.9	(NA)	52.6
35370 27	Tractors, industrial	1.3	2.8		
	Internal combustion powered:				
	Powered industrial trucks:				
35370 36	Under 6,000 lb. capacity	30.6	150.8	[8]28.6	[8]182.0
35370 37	6,000 to 14,999 lb. capacity	10.7	67.2		
35370 38	15,000 lb. capacity and above	2.3	59.5		
35370 43	Tractors, industrial	(X)	18.8	[8]1.7	[8]6.6
35370 49	All other industrial trucks (operator riding) and industrial tractors, including compressed-air powered, etc.			(X)	[1]14.4
35370 51	Portable elevators (stackers) excluding farm type	13.4	6.1	3.8	4.3
	Handtrucks and trailers, including dollies and platform trucks:				
35370 61	Handlift	(X)	19.2	(X)	10.0
35370 65	Other handtrucks and trailers, including 2-wheel, 4-wheel dollies, and platform trucks	(X)	36.3	(X)	32.2
35370 71	Metal pallets and skids (excluding wood and metal combination)	(X)	25.9	(X)	12.1
35370 81	Parts and attachments and miscellaneous equipment (sold separately)	(X)	165.5	(X)	91.7
35370 00	Industrial trucks and tractors, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	73.8	(X)	31.6
35370 02	Industrial trucks and tractors, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	6.2		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [8]From 10 to 30 percent of this figure was estimated. (Z) under 50 thousand.

Footnotes continued on next page.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Footnotes for table 6A--35B--Continued

[1]For these products, data were also collected in the census commodity survey program. In lieu of asking for detailed product statistics in the census of manufactures, respondents were asked to report only value of shipments for specified classes of products for which separate figures had previously been collected in the commodity survey. In most cases, the value figures reported in the census of manufactures for each class of products agreed closely with the corresponding figures reported in the commodity survey. However, there were some differences between the census figures and the commodity survey figures. These variations were due primarily to the following reasons:

a. Use of different reporting periods (calendar year vs. fiscal year.)
b. Use of different bases for reporting value (company sales vs. factory production.)
c. Use of estimates in reporting data on the annual survey, whereas census of manufactures figures generally represent more exact shipments figures.

[2]1963 data for contractors off-highway wheel tractors include wheel tractors shipped as an integral part of all types of scrapers. For 1967, wheel tractors shipped as an integral part of conventional non-elevating scrapers, are included in the total value of scrapers which they power. However, 1967 data for wheel tractors shipped as an integral part of elevating scrapers are included with contractors off-highway wheel tractors.

[3]Parts and attachments for wheel and tracklaying tractor shovel loaders are included in product class 35313 beginning in 1965. In prior years they were included in product class 35317. The 1963 figures have been revised accordingly.

[4]Data for product code 35319 05, four wheel drive, skid steer, loaders are included in product code 35319 83 to avoid disclosing figures for individual companies.

[5]In 1963 codes 35319 05, 23, and 71 were included in product code 35319 83, other excavating and road construction machinery.

[6]1967 data for oil and gas field cable tools, code 35334 11, have been included with product code 35334 15, water well and blast hole cable tools in order to avoid disclosing figures of individual companies.

[7]Included with product code 35361 38, Other hoist, to avoid disclosing figures of individual companies.

[8]Represents gasoline powered units only. 1963 data for all other internal combustion powered industrial trucks and industrial tractors are included with product code 35370 49, all other industrial trucks (operator riding) and industrial tractors, including compressed-air powered, etc.

TABLE 6A-2 Quantity and Value of Shipments of Power Cranes and Shovels and Other Selected Construction Machinery: 1967 and 1963

Census product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number)	Value ($1,000)	Quantity (number)	Value ($1,000)
	Power cranes, draglines and shovels, including mine shovels, but not including equipment for mounting on tractors, total	10,262	461,173	6,610	289,281
	Crawler mounted (hydraulic or cable operated)	3,579	206,443	2,613	153,494
	Excavators, total	2,907	158,384	[1]2,613	[1]153,494
	Rated shovel capacity:				
35314 11	Under 3/8 cu. yd.	89	1,040	[1]412	[1]7,155
35314 13	3/8 cu. yd.	402	8,787		
35314 15	1/2 cu. yd.	1,029	26,571	[1]714	[1]18,794
35314 17	3/4 cu. yd.	309	11,594	[1]507	[1]18,203
35314 18	1 cu. yd.	182	9,488	[1]171	[1]7,183
35314 19	1-1/4 cu. yd.	326	15,184	[1]230	[1]12,282
35314 20	1-1/2 cu. yd.	89	6,331	[1]22	[1]1,559
35314 22	1-3/4 cu. yd.	197	14,197	[1]180	[1]13,918
35314 24	2 cu. yd.	206	27,612	[1]359	[1]55,820
35314 25	2-1/2 cu. yd.	47	16,257	[1]18	[1]18,580
35314 27	Over 2-1/2 cu. yd. up to and including 5 cu. yd.	31	21,323	(1)	(1)
35314 28	Over 5 cu. yds. up to and including 10 cu. yds.	672	48,059	(1)	(1)
35314 29	Over 10 cu. yds.	6,671	222,084	3,977	107,243
35314 30	Cranes (hydraulic operated)	6,239	209,317	[2]3,977	[2]107,243
35314 31	Cranes (cable operated)	2,092	27,096	[2]1,577	[2]14,316
	Rubber mounted (hydraulic or cable operated) total	1,921	50,903	[2]1,050	[2]21,552
	Cranes, total	726	35,334	[2]156	[2]4,325
	Maximum working load:	426	17,174	[2]255	[2]8,484
35314 32	Up to and including 10 tons	195	10,040	[2]256	[2]10,531
35314 34	Over 10 and up to and including 15 tons	198	11,957	[2]178	[2]8,870
35314 36	Over 15 and up to and including 20 tons	225	14,029	[2]182	[2]11,090
35314 38	Over 20 and up to and including 25 tons	206	16,303	[2]167	[2]11,835
35314 40	Over 25 and up to and including 30 tons	209	19,083	[2]156	[2]16,240
35314 42	Over 30 and up to and including 35 tons	41	7,398		
35314 44	Over 35 and up to and including 45 tons	432	12,767	(2)	(2)
35314 46	Over 45 and up to and including 60 tons			(2)	(2)
35314 48	Over 60 and up to and including 80 tons				
35314 50	Over 80 tons				
35314 52	Excavators (hydraulic operated)				
35314 53	Excavators (cable operated)				
35314 51	Walking draglines and walking cranes	12	32,646	20	28,544
	Parts and attachments for contractors' off-highway wheel tractors, total	(X)	50,631	(X)	(S)
35313 11	Attachments	(X)	6,500	(X)	(S)
35313 51	Parts	(X)	44,131	(X)	(S)
	Concrete mixers, portable, 3-1/2 cu. ft. and over (except plaster and mortar) total	12,667	35,324	16,243	33,053
35316 31	Truck mixer or agitator	4,669	29,650	4,944	24,951
35316 35	Other than truck mixer or agitator	7,998	5,674	11,299	8,102

Source: Current Industrial Reports Series MA-35D, Construction Machinery. Data were collected on Annual Form MA-35D.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. In some cases figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher level totals or from related figures. (X) Not applicable. (S) Suppressed because the data did not meet publication standards.

[1] 1963 data for crawler mounted cranes are included with crawler mounted excavators.

[2] 1963 data for rubber mounted excavators are included with rubber mounted cranes.

TABLE 6A-3. Quantity and Value of Shipments of Selected Types of Construction Machinery: 1967 and 1963

Census product code	Product	1967		1963	
		Number	Value ($1,000)	Number	Value ($1,000)
	TOTAL[1]	(X)	1,236,439	(X)	855,690
	Wheel tractors (contractors' off-highway type), total[2] [3]	2,765	77,746	3,596	91,846
	By number of wheels:				
35311 **	2-wheel	2,765	77,746	3,123	79,866
35311 **	4-wheel			473	11,980
	By hp. rating:				
35311 **	Under 125 maximum engine hp	914	11,467	195	1,628
35311 **	125 to 199 maximum engine hp			751	13,595
35311 **	200 to 299 maximum engine hp	1,851	66,279	1,086	22,326
35311 **	300 to 349 maximum engine hp			140	4,396
35311 **	350 to 399 maximum engine hp				
35311 **	400 to 499 maximum engine hp			1,424	49,901
35311 **	500 maximum engine hp. and over				
	Rubber-tired dozers' total[4]	(D)	(D)	254	9,178
35311 33	125 to 299 maximum engine hp	2,514	40,486	254	9,178
35311 35	300 maximum engine hp. and over			(NA)	(NA)
35311 37	Wheeled log skidders' self-propelled				
	Cranes (except construction power and overhead traveling cranes), total	424	23,296	453	19,187
35314 03	Locomotive (except wrecking)	90	9,124	47	3,662
35314 05	Full circle revolving with booms (such as whirleys and hammerheads)	58	9,519	156	8,757
35314 07	Other cranes, including locomotive wrecking	276	4,653	250	6,768
	Mixers, pavers, and related equipment, total	5,886	77,440	5,381	54,724
	Stabilization mixing equipment, total	207	4,294	(NA)	(NA)
35316 31	Central plants	207	4,294	(NA)	(NA)
35316 33	Mix-in-place				
35316 37	Concrete batching plants, bin and batch (for concrete aggregate only and bulk cement)	864	15,891	940	16,041
	Bituminous, total	4,815	57,255	4,441	38,683
35316 41	Distributors	1,187	4,287	942	5,757
	Pavers, self-propelled, total	684	16,921	[5]	[5]
35316 51	Under 20,000 lbs. gross weight (basic unit)	256	3,637	[5]	[5]
35316 53	20,000 lbs. and over gross weight (basic unit)	428	13,284	[5]	[5]
	Asphalt plants:				
	Central mixing plants (batch-type and continuous-type), total	238	31,608	282	23,688
35316 43	Less than 2,000 lb. batch (less than 60 t.p.h.)	42	1,543	88	1,498
35316 44	2,000 lb. to 3,500 lb. batch (60 to 119 t.p.h.)	33	2,495	42	2,773
35316 46	4,000 lb. to 5,500 lb. batch (120 to 179 t.p.h.)	57	7,786	82	9,300
35316 57	6,000 lb. to 7,500 lb. batch (180 to 239 t.p.h.)	66	11,429	70	10,117
35316 58	8,000 lb. batch and over (240 t.p.h. and over)	40	8,355		
35316 60	Other, including mixers, heating kettles, heaters, circulators, travel mix type asphalt boxes and spreader boxes	2,706	4,439	[5]3,217	[5]9,238
	Crushing plants, screening plants, washing plants, and combination plants, total	[6]	[6]	(NA)	(NA)
	Portable, total	360	19,795	987	23,679
35319 41	Under 150 tons per hour	137	4,921	987	23,679
35319 43	150 tons per hour and over	223	14,874		
	Other aggregate processing, total	[6]	[6]	(NA)	(NA)
35319 45	Under 150 tons per hour	[6]	[6]	(NA)	(NA)
35319 47	150 tons per hour and over				
	Self-propelled continuous ditchers and trenchers (integral units only), total	5,773	23,430	4,410	16,811
	Ladder-type digging element, total	5,417	15,786	4,051	10,503
35319 14	Under 2,000 lbs. gross weight	4,886	10,949	3,761	6,503
35319 15	2,000 to 4,999 lbs. gross weight				
35319 17	5,000 lbs. gross weight and over	531	4,837	290	4,000
35319 18	Wheel-type digging element	356	7,644	359	6,308

See footnotes at end of table.

TABLE 6A-3. Quantity and Value of Shipments of Selected Types of Construction Machinery: 1967 and 1963 --Continued

Census product code	Product	1967		1963	
		Number	Value ($1,000)	Number	Value ($1,000)
	Scrapers and scraper bowls, total[3]	4,980	151,011	[7]4,957	[7]63,279
	Scrapers (dig, carrying and hauling) self propelled, conventional bowl, nonelevating, complete machines (including tractor), total	(D)	(D)	[7]4,957	[7]63,279
35318 01	Under 12 cu. yds, struck			2,361	11,666
35318 02	12 cu. yds, and under 18 cu. yds. struck			970	14,298
35318 03	18 cu. yds. and under 26 cu. yds. struck	(D)	(D)		
35318 04	26 cu. yds. and under 35 cu. yds. struck			1,626	37,315
35318 05	35 cu. yds. struck and over				
	Scraper bowls (dig, carrying and hauling) elevating type, 2- and 4-wheel (without tractors), total	(D)	(D)	(7)	(7)
35318 06	Under 12 cu. yds. heaped	(D)	(D)	(7)	(7)
35318 07	12 cu. yds. and under 18 cu. yds. heaped				
35318 08	18 cu. yds. and under 26 cu. yds. heaped	(D)	(D)	(7)	(7)
35318 09	26 cu. yds. heaped and over				
	All other scraper bowls shipped without tractors (including 2nd bowl of tandem units), total	(D)	(D)	(7)	(7)
35318 10	Under 18 cu. yds. struck conventional, elevating heaped				
35318 11	18 cu. yds. and over struck conventional, elevating heaped	(D)	(D)	(7)	(7)
	Motor graders, and light maintainers, total	7,427	124,912	7,771	102,459
35318 22	Under 45 brake hp	604	3,892	1,131	5,657
35318 23	45 to 74 brake hp				
35318 24	75 to 114 brake hp	997	13,708	879	10,496
35318 25	115 to 144 brake hp	4,520	76,387	4,854	68,968
35318 26	145 brake hp. and over	1,306	30,925	907	17,338
	Rollers self-propelled type, total	5,792	37,608	4,262	24,875
	Steel wheeled, total	3,891	18,957	2,800	12,744
35318 31	3-wheeled and segmented	613	4,521	405	3,961
	Tandem, 2- and 3-axle (net metal weight), total	3,278	14,436	2,395	8,783
35318 34	Under 3 tons	1,450	1,895	975	1,143
35318 35	4 tons (3 tons thru 4-1/2 tons)	711	3,323	523	2,134
35318 36	5 tons (above 4-1/2 tons thru 7-1/2 tons)	466	3,233	450	2,344
35318 37	8 tons and over	651	5,985	447	3,162
	Pneumatic tire, total	912	8,895	1,041	8,806
35318 50	4,000 lbs. wheel load and under	589	3,697		
35318 52	Over 4,000 lbs. up to and including 8,000 lbs. wheel load	222	3,248	1,041	8,806
35318 54	Over 8,000 lbs. wheel load	101	1,950		
35318 39	Sheepsfoot	110	3,512	95	2,328
35318 40	Vibratory compactors	879	6,244	[8]326	[8]997
	Rollers - towed types, total	1,876	6,688	1,399	5,581
35318 42	Pneumatic tire including vibratory	531	1,110	344	873
35318 49	Sheepsfoot and bar-type	844	2,610	611	1,915
35318 56	Vibratory - single steel drum	501	2,968	444	2,793
35318 58	All other rollers, total	(D)	(D)	768	3,212
	Construction machinery for mounting on tractors, shovel loaders, or other prime movers, total[9]	(X)	171,314	96,900	166,440
	Sidebooms or pipehandlers, total	(D)	(D)	812	2,793
35318 71	Under 30,000 lbs. lift capacity				
35318 72	30,000 to 110,000 lbs. lift capacity	(D)	(D)	812	2,793
35318 73	Over 110,000 lbs. lift capacity				
	Dozers (6 foot blade length and over), total	17,987	45,354	18,131	39,121
	Hydraulically operated:				
35318 74	For wheel tractors	977	2,103	328	950
35318 75	For crawler tractors	16,623	42,220	13,503	26,329
	Cable operated:				
35318 76	For wheel tractors	387	1,031	4,300	11,842
35318 77	For crawler tractors				

See footnotes at end of table.

TABLE 6A-3. Quantity and Value of Shipments of Selected Types of Construction Machinery: 1967 and 1963--Continued

Census product code	Product	1967		1963	
		Number	Value ($1,000)	Number	Value ($1,000)
	Construction machinery for mounting on tractors, shovel loaders, or other prime movers--Continued				
35318 78	Winches-towing, logging and oilfield types	(D)	(D)	8,613	19,285
35318 79	Backhoes for wheel or tracklaying tractors, including shovel loaders	14,622	34,197	15,922	32,202
35318 81	All other backholes	1,504	18,986	1,115	8,866
35318 82	Front-end loaders (3/8 cu. yds. and over), nonfarm type[10]	24,818	20,021	28,877	30,347
35318 83	Logging arches	(D)	(D)	145	740
35318 84	Cranes	(D)	(D)		
35318 85	Cable power control units	(D)	(D)	4,281	7,881
35318 86	Hydraulic power control units	(D)	(D)	12,675	12,966
35318 87	Rippers and rooters, heavy rear mounted	6,795	15,073	5,980	11,198
	Continuous ditching and trenching attachments:				
35318 88	Crawler, vehicle mounted	375	1,067	349	1,041
35318 89	Rubber-tired vehicle mounted				
	Off-highway, equipment, total[11]	4,569	165,615	3,775	104,438
	Rear dump earth, rocks, and ore load on back haulers, total	1,700	109,150	1,334	58,763
35318 56	Under 20 tons capacity	585	17,337	232	4,929
35318 57	20 tons to and including 30 tons capacity			557	20,096
35318 59	Over 30 tons up to and including 45 tons capacity	619	31,897		
35318 65	Over 45 tons up to and including 70 tons capacity			545	33,738
35318 69	Over 70 tons up to and including 100 tons capacity	496	59,916		
35318 70	over 100 tons capacity				
	Truck-tractor type haulers:				
35318 61	Under 60,000 lbs. gross vehicle weight			[12]969	[12]19,866
35318 62	60,000 lbs. gross vehicle weight and over			[13]1,141	[13]18,585
	All other, including off-highway type truck chassis	2,700	52,312		
35318 63	Under 60,000 lbs. gross vehicle weight			(12)	(12)
35318 64	60,000 lbs. gross vehicle weight and over			(13)	(13)
	Off-highway trailers and wagons (end, side, and bottom dump), total	(D)	(D)	331	7,224
35318 66	Under 12 cu. yds. standard struck capacity				
35318 67	12 cu. yds. and under 18 cu. yds. standard struck capacity	(D)	(D)	90	775
35318 68	18 cu. yds. standard struck capacity and over			241	6,449
	Tractor shovel loaders, total	15,185	281,180	12,180	153,310
	Wheel type, front-end loader (integral design, rear engine mount), total	13,610	265,492	12,180	153,310
	4-wheel drive:				
35317 03	Under 1 cu. yd. bucket capacity	-	-	-	-
35317 04	1 cu. yd. and under 1-1/2 cu. yds	1,177	10,973	2,542	21,446
35317 05	1 1/2 cu. yds. and under 2 cu. yds	3,091	40,328	2,651	31,562
35317 06	2 cu. yds. and under 2-1/2 cu. yds	2,455	44,904	1,657	26,139
35317 07	2-1/2 cu. yds. and under 3-1/2 cu. yds	3,378	76,077	2,241	41,709
35317 08	3-1/2 cu. yds. and under 5 cu. yds	1,139	36,448	447	10,775
35317 15	5 cu. yds. and under 7-1/2 cu. yds				
35317 16	7-1/2 cu. yds. and under 10 cu. yds	933	47,846	288	10,421
35317 17	10 cu. yds. and over				

See footnotes at end of table.

TABLE 6A-3. Quantity and Value of Shipments of Selected Types of Construction Machinery: 1967 and 1963--Continued

SIC code	Product	Total		1963	
		Number	Value ($1,000)	Number	Value ($1,000)
	Tractor shovel loaders--Continued				
	Wheel type, front-end loader (integral design, rear engine mount)--Continued				
	2-wheel drive:				
35317 10	Under 1 cu. yd. bucket capacity	1,437	8,916	2,354	11,258
35317 12	1 cu. yd. bucket capacity and over				
35317 13	Front engine mount, integral design tractor shovel loader/backhoe	1,575	15,688	(NA)	(NA)
	Portable water-well and blast-hole drills, total	707	27,664	591	16,671
35319 28	Churn-drill type	159	1,961	229	2,480
35319 29	Rotary-drill type	548	25,703	362	14,191

Source: Current Industrial Reports Series MQ-35D, "Construction Machinery". Data were collected on Quarterly Form MQ-35D.

Note: Data for tracklaying tractors and tracklaying tractor shovel loaders are included in tables 6A-4 and 6A-5.
- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. In some cases, figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher level totals or from related figures, or to give precedence to annual totals. r Revised. (X) Not applicable. ** Represents a combination of codes. (NA) Not available.

[1] Totals include the value of data withheld to avoid disclosing figures for individual companies.

[2] Represents wheeled tractors designed primarily to be used as towing units for scrapers, trailers, wagons, and similar type of towed equipment for use on natural terrain but restricted by State laws or regulations from operating on public highways.

[3] For 1967, wheel tractors shipped as an integral part of "conventional bowl, nonelevating scrapers" (codes 3531801, 3531802, 3531803, 3531804, and 3531805) are included in the total value of scrapers which they power. For 1967, wheel tractors shipped as an integral part of "elevating-type scrapers" (codes 3531806, 3531807, 3531808, and 3531809) are included with contractors' off-highway wheel tractors. 1963 data for contractors' off-highway wheel tractors includes wheel tractors shipped as integral parts of all types of scrapers.

[4] Machines shipped primarily as independent dozing or pushing units characterized with approximate equal weight distribution fore and aft with all wheel drive as differentiated from machines designed for integral hook-up towing.

[5] 1963 data for "self-propelled bituminous pavers" (codes 3531651 and 3531653) are included with "other, including mixers, heating kettles, heaters, circulators, travel mix type asphalt boxes and spreader boxes" (code 3531660).

[6] 1967 data for "other aggregate processing plants" (code 3531945, "under 150 tons per hour" and code 3531947, "150 tons per hour and over") have been withheld. It has been determined that plants reported in these categories are of the stationary type and are included in Current Industrial Reports Series MA-35F, Mining Machinery.

[7] For 1963, all scraper bowls (conventional nonelevating, elevating, and all others) are included in codes 3531801, 3531802, 3531803, 3531804, and 3531805.

[8] Represents vibratory compactors other than rollers.

[9] Excludes value of prime mover when sold with machine.

[10] Excludes front-end loaders shipped to producers of complete tractor-shovel loaders (integral units).

[11] Represents vehicles normally operating off the public highway, and specifically designed to transport materials, property, or equipment on mining, construction, logging, petroleum development and similar projects. These vehicles are of such weight as to be normally restricted by State law or regulation from operating on public highways.

[12] 1963 data for code 3531863 are included with 3531861.

[13] 1963 data for code 3531864 are included with 3531862.

TABLE 6A-4. Tracklaying Tractors (Except Shovel Loaders): Number Produced; Quantity and Value of Shipments by Horsepower: 1967 and 1963

Census product code	Horsepower rating	Number produced by type of fuel			Shipments					
					Total		Domestic		Exports	
		Total	Gasoline	Diesel	Number	Value ($1,000)	Number	Value ($1,000)	Number	Value ($1,000)
	TOTAL, 1967	(X)	(X)	(X)	(X)	646,878	(X)	(D)	(X)	(D)
	Complete tractors, total	19,846	739	19,107	20,861	377,787	13,884	238,766	6,977	139,021
35312 11	20 to 44 net engine hp	3,042	739	4,354	3,095	14,054	2,667	12,118	428	1,936
35312 13	45 to 59 net engine hp	2,051			2,259	15,179	1,809	12,107	450	3,072
35312 15	60 to 89 net engine hp	6,346	-	6,346	2,465	22,555	1,556	14,255	909	8,300
35312 17	90 to 129 net engine hp		-		8,887	176,596	5,479	110,498	3,408	66,098
35312 19	130 to 199 net engine hp	4,588	-	4,588						
35312 21	200 to 299 net engine hp	3,819	-	3,819	4,155	149,403	2,373	89,788	1,782	59,615
35312 23	300 net engine hp and over									
	Attachments and parts, total[1]	(X)	(X)	(X)	(X)	269,091	(X)	(D)	(X)	(D)
35313 66	Attachments	(X)	(X)	(X)	(X)	23,922	(X)	(D)	(X)	(D)
35313 67	Parts	(X)	(X)	(X)	(X)	245,169	(X)	(D)	(X)	(D)
	TOTAL, 1963	(X)	(X)	(X)	(X)	531,291	(X)	342,279	(X)	189,012
	Complete tractors, total	20,857	2,868	17,989	22,567	314,375	[2]14,819	[2]199,396	7,748	114,979
35312 11	20 to 44 net engine hp	4,572	2,868	3,695	4,627	14,919	5,496	20,601	1,105	4,306
35312 13	45 to 59 net engine hp	1,991			1,974	9,988				
35312 15	60 to 89 net engine hp	3,046	-	3,046	3,337	26,552	1,811	14,380	1,526	12,172
35312 17	90 to 129 net engine hp	4,824	-	4,824	4,748	62,650				
35312 19	130 to 199 net engine hp	2,705	-	2,705	3,370	65,620	7,512	164,415	5,117	98,501
35312 21	200 to 299 net engine hp	2,912	-	2,912	3,605	98,949				
35312 23	300 net engine hp. and over.	807	-	807	906	35,697				
	Attachments and parts, total[1]	(X)	(X)	(X)	(X)	216,916	(X)	[3]142,883	(X)	74,033
35313 66	Attachments	(X)	(X)	(X)	(X)	12,207	(X)	10,406	(X)	1,801
35313 67	Parts	(X)	(X)	(X)	(X)	204,709	(X)	132,477	(X)	72,232

Source: Current Industrial Reports Series M35S, Tractors, Except Garden Tractors.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing the operations of individual companies. In some cases, figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher-level totals or from related figures.

[1]Data are limited to attachments and parts shipped by companies manufacturing complete tractors.

[2]For 1963, 1,894 units valued at $25,515 thousand were reported as shipped for farm use.

[3]For 1963, parts and attachments valued at $22,453 thousand were reported as shipped for farm use.

TABLE 6A-5. Tracklaying Tractor Shovel Loaders: Number Produced; Quantity and Value of Shipments by Horsepower: 1967 and 1963

Census product code	Item	Number produced by type of fuel			Shipments					
					Total		Domestic		Export	
		Total	Gasoline	Diesel	Number	Value ($1,000)	Number	Value ($1,000)	Number	Value ($1,000)
	TOTAL, 1967	(X)	(D)	(D)	(X)	209,233	(X)	137,255	(X)	71,978
	Complete units, total	8,018	(D)	(D)	8,397	125,825	5,537	82,555	2,860	43,270
35317 11	20 to 44 net engine hp.	3,534	(D)	(D)	3,446	28,001	2,265	17,388	1,181	10,613
35317 13	45 to 59 net engine hp.									
35317 15	60 to 89 net engine hp.	1,011	-	1,011	1,080	15,063	3,272	65,167	1,679	32,657
35317 17	90 to 129 net engine hp.	3,473	-	3,473	3,871	82,761				
35317 19	130 to 199 net engine hp.									
35317 21,23	200 net engine hp. and over.									
	Attachments and parts, total[1]	(X)	(X)	(X)	(X)	83,408	(X)	54,700	(X)	28,708
35313 76	Attachments	(X)	(X)	(X)	(X)	10,254	(X)	54,700	(X)	28,708
35313 77	Parts	(X)	(X)	(X)	(X)	73,154				
	TOTAL, 1963	(X)	(X)	(X)	(X)	214,777	(X)	158,072	(X)	56,705
	Complete units, total	11,193	1,109	10,084	11,503	140,155	[2] 7,141	[2] 83,450	4,362	56,705
35317 11	20 to 44 net engine hp.	2,203	1,109	3,848	2,162	9,555	3,450	20,405	1,445	11,661
35317 13	45 to 59 net engine hp.	2,754			2,733	22,511				
35317 15	60 to 89 net engine hp.	1,562	-	1,562	1,626	19,533	848	10,064	778	9,469
35317 17	90 to 129 net engine hp.	3,133	-	3,133	3,415	53,663	2,843	52,981	2,139	35,575
35317 19,21	130 to 299 net engine hp.	1,541	-	1,541	1,567	34,893				
	Attachments and parts, total[1]	(X)	(X)	(X)	(X)	74,622	(X)	[3] 74,622	(X)	([4])
35313 76	Attachments	(X)	(X)	(X)	(X)	5,005	(X)	5,005	(X)	([4])
35313 77	Parts	(X)	(X)	(X)	(X)	69,617	(X)	69,617	(X)	([4])

Source: Current Industrial Reports Series M35S, "Tractors, Except Garden Tractors".

- Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing operations of individual companies. In some cases, figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher-level totals or from related figures.

[1] Data are limited to attachments and parts shipped by companies manufacturing complete tractor shovel loaders.

[2] For 1963, 37 units valued at $409 thousand were reported as shipped for farm use.

[3] For 1963, $941 thousand was for farm use.

[4] Included with "Domestic" to avoid disclosing figures of individual companies.

TABLE 6A-6. Quantity and Value of Shipments of Mining Machinery and Equipment: 1967 and 1963

Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	MINING MACHINERY, TOTAL	(X)	210,584	(X)	164,525
35321 --	Underground mining machinery and related mining equipment, total	(X)	92,007	(X)	71,501
	Mining machinery and equipment, total	(X)	66,246	(X)	44,541
35321 14, 47	Cutting machines (shortwall, universal and coal recovery augers)	103	8,123	96	5,495
35321 16, 18	Longwall mining machines, coal types (plows and shearer or cutter loader)				
	Loading machines (underground mine):				
35321 32, 34	Gathering arm type	176	8,399	127	4,386
35321 36	Shovel type and slusher hoists	499	6,000	449	3,915
	Continuous mining machines, borer and ripper:				
35321 41	Coal	200	20,164	158	16,714
35321 42	Other than coal				
35321 71, 74	Shuttle cars--rubber tired, self-propelled	440	16,020	316	9,011
35321 75	Mine cars, track	3,290	7,540	2,816	5,020
	Mineral classifying, flotation, separating, concentrating, cleaning, clarifying and related equipment, total	(X)	25,761	(X)	26,960
35321 52	Flotation machines (quantity represents number of cells)	2,593	3,135	1,697	2,335
35321 54	Jigs	46	647	19	641
35321 55	Concentrating tables	(D)	(D)	183	726
35321 56	Classifiers--sizing, washing, and dewatering (excluding cyclones)	480	4,338	799	6,289
35321 57	Wet cyclones (including heavy medium cyclones)	(D)	(D)	741	679
35321 59	Centrifugal driers	138	2,496	123	3,250
35321 61	Scrubbers (all types, including drums, log washers, attritioning machines, etc.)	83	939	107	3,306
35321 62	Thermal dryers	20	1,604	12	1,414
35321 66	Feeders-apron, vibrating, and reciprocating	1,357	6,936	1,193	3,954
35321 67	Magnetic separators (quantity represents number of drums)	340	1,598	253	1,596
35321 53, 58 63, 64, 65	Other mineral classifying, flotation, separating, concentrating, cleaning, clarifying, and related equipment[1]	(X)	1,526	(X)	2,770
35322 --	Crushing, pulverizing, and screening machinery (stationary), total	(X)	72,339	(X)	54,578
	Crushers (including crushers on skids):				
35322 10, 12	Gyratory (all types)	409	16,391	471	12,750
35322 13	Impact	654	8,436	477	4,740
35322 17	Jaw	247	3,937	264	3,046
35322 19	Roll	250	7,349	245	3,579
	Grinding mills:				
35322 33	Ball (including pebble mills)	321	11,546	249	12,466
35322 37	Rod	26	2,133	17	1,278
35322 55	Screens-vibrating, trommell, mine type	4,103	22,547	3,662	16,719
35323 --	All other mining machinery and equipment, total	(X)	46,238	(X)	38,446
	Drills:				
35323 23	Rock drills (percussion type)	10,276	13,759	10,359	11,776
35323 13	Core drills for mineral exploration	623	2,615	546	3,569
	Rotary drills:				
35323 43	Underground (coal and roof)	478	12,576	137	2,014
35323 45	Surface (blast hole)			133	5,453
35323 98	Other mining machinery and equipment (complete units)[2]	(X)	17,288	(X)	15,634

Source: Current Industrial Reports Series MA35F, "Mining Machinery and Equipment."

Standard notes: (D) Withheld to avoid disclosing operations of individual companies. In some cases figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher-level totals or from related figures. (X) Not applicable.

[1]Includes figures for dense medium vessels (3532153), centrifuges (3532158), concentrating spirals (3532163), thickeners (3532164) and filters (3532165),

[2]Includes power roof supports for longwall mining but excludes parts and attachments for mining machines.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
POWER CRANES, DRAGLINES, SHOVELS, AND PARTS (35314)		
United States	656.5	464.8
Northeast Region	65.5	23.0
Middle Atlantic Div.	65.5	(D)
New York	EE	(1)
Pennsylvania	FF	(D)
North Central Region	556.5	420.5
East North Central Div.	440.0	348.7
Ohio	123.7	93.3
Indiana	49.6	41.1
Illinois	FF	18.4
Michigan	GG	41.2
Wisconsin	175.2	154.6
West North Central Div.	116.5	71.8
Minnesota	GG	(1)
Iowa	GG	(1)
Missouri	CC	(1)
Kansas	AA	(D)
South Region	19.6	10.3
South Atlantic Div.	BB	(D)
Maryland	AA	(D)
Georgia	AA	(1)
East South Central Div.	CC	(D)
Tennessee	CC	(D)
West South Central Div.	CC	(D)
Louisiana	BB	(1)
Texas	BB	(1)
West Region	14.9	11.0
Pacific Div.	EE	(D)
Washington	5.0	6.1
California	9.8	3.9
MIXERS, PAVERS, RELATED EQUIPMENT, EXCLUDING PARTS (35316)		
United States	162.3	132.0
Northeast Region	9.6	11.0
Middle Atlantic Div.	9.6	(D)
New York	2.1	(1)
New Jersey	3.1	3.7
Pennsylvania	4.4	4.3
North Central Region	123.3	93.5
East North Central Div.	97.1	79.4
Ohio	23.3	19.8
Indiana	EE	(1)
Illinois	39.5	31.5
Wisconsin	21.3	19.0
West North Central Div.	26.2	14.1
Minnesota	BB	(1)
Iowa	18.4	12.0
Missouri	BB	(D)
South Region	10.0	7.4
South Atlantic Div.	1.4	(D)
East South Central Div.	2.8	(D)
Tennessee	AA	(D)
Alabama	AA	(D)
MIXERS, PAVERS, RELATED EQUIPMENT, EXCLUDING PARTS (35316)--Con.		
South Region--Continued		
West South Central Div.	5.8	(D)
Texas	BB	4.1
West Region	19.3	20.1
Mountain Div.	2.2	(D)
Idaho	AA	(D)
Pacific Div.	17.1	(D)
California	EE	18.2
TRACTOR SHOVEL LOADERS, EXCLUDING PARTS, ATTACHMENTS (35317)		
United States	411.6	388.0
Northeast Region	EE	13.2
Middle Atlantic Div.	EE	(D)
New York	EE	(1)
North Central Region	387.5	360.3
East North Central Div.	GG	(D)
Ohio	EE	(1)
Illinois	300.4	283.5
Michigan	FF	(1)
Wisconsin	AA	(1)
West North Central Div.	37.4	(D)
Iowa	FF	(1)
West Region	BB	(D)
Pacific Div.	BB	(D)
Oregon	BB	(1)
SCRAPERS, GRADERS, OFF-HIGHWAY TRUCKS, TRAILERS, AND WAGONS (35318)		
United States	711.4	480.0
Northeast Region	21.4	21.0
Middle Atlantic Div.	21.4	(D)
New Jersey	AA	2.6
Pennsylvania	EE	15.6
North Central Region	600.4	404.3
East North Central Div.	516.1	342.5
Ohio	126.8	86.0
Indiana	FF	(1)
Illinois	334.3	194.7
Michigan	EE	(1)
Wisconsin	20.3	22.8
West North Central Div.	84.3	61.8
Minnesota	EE	(1)
Iowa	31.3	33.0
Missouri	FF	(1)
North Dakota	AA	(1)
Nebraska	AA	(D)
Kansas	6.9	3.5
SCRAPERS, GRADERS, OFF-HIGHWAY TRUCKS, TRAILERS, AND WAGONS (35318)--Con.		
South Region	70.0	39.6
South Atlantic Div.	EE	(D)
North Carolina	AA	(D)
Georgia	EE	(1)
West South Central Div.	54.9	(D)
Oklahoma	FF	(1)
Texas	25.3	11.5
West Region	19.7	15.1
Mountain Div.	2.7	(D)
Colorado	AA	(D)
Pacific Div.	17.0	(D)
Washington	CC	(1)
Oregon	BB	(1)
California	6.2	9.2
OTHER CONSTRUCTION MACHINERY EQUIPMENT AND PARTS (35319)		
United States	613.9	403.5
Northeast Region	46.4	49.3
New England Div.	8.1	6.3
Maine	BB	(1)
Massachusetts	BB	1.5
Middle Atlantic Div.	38.3	42.9
New York	12.5	7.7
New Jersey	3.4	18.3
Pennsylvania	22.4	17.0
North Central Region	404.1	256.7
East North Central Div.	314.0	198.9
Ohio	86.1	60.0
Indiana	14.5	17.1
Illinois	100.2	52.7
Michigan	23.2	24.2
Wisconsin	90.1	42.9
West North Central Div.	90.1	57.8
Minnesota	28.9	19.4
Iowa	36.4	28.3
Missouri	CC	(1)
North Dakota	CC	(D)
Nebraska	AA	(D)
Kansas	9.6	5.1
South Region	108.8	54.0
South Atlantic Div.	27.4	15.4
Maryland	CC	(1)
Virginia	BB	(1)
North Carolina	BB	(D)
South Carolina	BB	(D)
Georgia	CC	(1)
Florida	3.3	(D)
East South Central Div.	18.4	10.4
Tennessee	CC	(1)
Alabama	EE	6.6
West South Central Div.	63.0	28.2
Oklahoma	33.7	10.5
Texas	28.2	17.7

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
OTHER CONSTRUCTION MACHINERY, EQUIPMENT AND PARTS (35319)--Continued		
West Region	54.6	43.5
Mountain Div.	9.9	5.0
Colorado	CC	(1)
Utah	BB	(D)
Pacific Div.	44.7	38.5
Washington	EE	(1)
Oregon	CC	(1)
California	19.2	19.8
UNDERGROUND MINING, MINERAL BENEFICATION EQUIPMENT (35321)		
United States	101.4	73.6
Northeast Region	45.0	30.3
Middle Atlantic Div.	FF	(D)
New Jersey	AA	(D)
Pennsylvania	FF	(1)
North Central Region	25.1	18.8
East North Central Div.	19.8	14.2
Ohio	9.5	(1)
Illinois	9.7	(1)
West North Central Div.	5.3	4.6
Minnesota	AA	(D)
Iowa	BB	(1)
Kansas	AA	(D)
South Region	13.9	7.6
South Atlantic Div.	8.8	(D)
Virginia	BB	(D)
West Virginia	6.1	(1)
East South Central Div.	CC	(D)
Kentucky	BB	(D)
West Region	17.5	16.8
Mountain Div.	13.5	10.7
Colorado	8.4	(1)
Utah	CC	(1)
Pacific Div.	3.9	6.2
California	3.8	(1)
CRUSHING, PULVERIZING AND SCREENING MACHINERY (35322)		
United States	78.5	58.0
Northeast Region	25.4	13.2
New England Div.	BB	(D)
Maine	BB	(1)
Middle Atlantic Div.	FF	(D)
New York	BB	(1)
New Jersey	CC	(D)
Pennsylvania	14.8	10.6
North Central Region	47.2	42.5
East North Central Div.	36.5	29.7
Ohio	6.0	4.6
Indiana	BB	(1)
Michigan	AA	(1)
Wisconsin	25.2	21.2
West North Central	10.7	12.8
Minnesota	AA	(1)
Iowa	BB	(1)
Missouri	5.4	3.3
CRUSHING, PULVERIZING AND SCREENING MACHINERY (35322)--Continued		
South Region	BB	(D)
South Atlantic Div.	BB	(D)
South Carolina	BB	(D)
West Region	AA	(D)
Pacific Div.	AA	(D)
PARTS AND ATTACHMENTS FOR MINING MACHINERY AND EQUIPMENT (35324)		
United States	257.2	158.0
Northeast Region	95.8	59.8
New England Div.	17.0	11.7
Maine	BB	(1)
New Hampshire	EE	(1)
Connecticut	BB	(D)
Middle Atlantic Div.	78.8	48.2
New York	AA	(1)
New Jersey	EE	(1)
Pennsylvania	GG	43.7
North Central Region	94.5	66.7
East North Central Div.	85.8	60.6
Ohio	23.4	17.8
Indiana	1.5	(D)
Illinois	16.4	10.9
Michigan	8.8	(1)
Wisconsin	35.7	(1)
West North Central Div.	8.8	6.1
Minnesota	BB	(D)
Iowa	BB	(1)
Missouri	BB	(1)
Kansas	AA	(D)
South Region	29.6	8.8
South Atlantic Div.	13.9	(D)
Virginia	5.6	(D)
West Virginia	8.2	6.0
East South Central Div.	6.2	(D)
Kentucky	CC	(D)
West South Central Div.	9.5	(D)
Texas	CC	(D)
West Region	37.3	22.7
Mountain Div.	33.0	19.5
Colorado	FF	(1)
Utah	CC	(1)
Pacific Div.	4.4	3.2
California	BB	2.0
ROTARY OIL, GAS FIELD DRILLING MACHINERY, EQUIPMENT (35331)		
United States	243.5	217.2
Northeast Region	2.0	2.1
Middle Atlantic Div.	2.0	2.1
Pennsylvania	AA	(1)
North Central Region	9.6	6.6
East North Central Div.	CC	(D)
Illinois	CC	(1)
Michigan	BB	(D)
ROTARY OIL, GAS FIELD DRILLING MACHINERY, EQUIPMENT (35331)--Continued		
South Region	177.4	167.6
West South Central Div.	GG	(D)
Louisiana	BB	(1)
Oklahoma	BB	(D)
Texas	GG	(D)
West Region	54.5	40.9
Mountain Div.	BB	(D)
Utah	BB	(1)
Pacific Div.	GG	(D)
California	GG	(1)
OTHER OIL, GAS FIELD DRILLING MACHINERY EQUIPMENT (35332)		
United States	43.5	38.8
Northeast Region	AA	(D)
Middle Atlantic Div.	AA	1.9
Pennsylvania	AA	(1)
North Central Region	AA	(D)
South Region	32.6	28.6
West South Central Div.	FF	(D)
Oklahoma	EE	7.8
Texas	17.7	17.4
West Region	8.1	(D)
Pacific Div.	8.1	7.3
California	8.1	7.3
OIL AND GAS FIELD PRODUCTION MACHINERY, EQUIPMENT, EXCEPT PUMPS (35333)		
United States	260.5	261.5
Northeast Region	13.9	(D)
Middle Atlantic Div.	13.9	13.8
New Jersey	AA	(D)
Pennsylvania	EE	12.7
North Central Region	CC	(D)
East North Central Div.	AA	8.0
West North Central Div.	BB	(D)
Minnesota	BB	(1)
Kansas	AA	(1)
South Region	GG	(D)
West South Central Div.	210.2	205.0
Louisiana	BB	4.0
Oklahoma	44.3	40.5
Texas	163.8	160.5
West Region	FF	(D)
Pacific Div.	28.4	24.1
California	28.4	24.1
OTHER OIL-GASFIELD, INCLUDING WATER WELL, EQUIPMENT (35334)		
United States	65.4	43.3
Northeast Region	BB	(D)
Middle Atlantic Div.	BB	(D)
Pennsylvania	BB	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER OIL-GASFIELD, INCLUDING WATER WELL, EQUIPMENT (35334)--Continued		
North Central Region	CC	(D)
East North Central Div.	BB	(D)
Ohio	AA	2.1
Indiana	AA	(1)
West North Central Div.	AA	(D)
Kansas	AA	(1)
South Region	53.4	33.3
East South Central Div.	CC	(D)
Mississippi	CC	(D)
West South Central Div.	FF	(D)
Oklahoma	CC	(1)
Texas	36.9	22.2
West Region	AA	1.8
Mountain Div.	AA	(D)
Colorado	AA	(D)
CONVEYORS, CONVEYING EQUIPMENT, EXCEPT HOISTS (35351)		
United States	469.2	306.2
Northeast Region	100.8	64.6
New England Div.	3.8	3.8
Massachusetts	AA	3.2
Connecticut	BB	(1)
Middle Atlantic Div.	97.0	60.8
New York	17.9	15.6
New Jersey	23.5	10.8
Pennsylvania	55.6	34.3
North Central Region	249.7	171.2
East North Central Div.	213.2	143.6
Ohio	55.0	28.7
Indiana	1.5	(D)
Illinois	55.7	41.9
Michigan	89.6	66.6
Wisconsin	11.5	(1)
West North Central Div.	36.4	27.6
Minnesota	12.8	9.6
Iowa	3.2	2.8
Missouri	10.9	9.0
South Dakota	BB	(1)
Kansas	5.1	(1)
South Region	85.4	46.7
South Atlantic Div.	22.7	11.2
Maryland	BB	(D)
Virginia	BB	(D)
West Virginia	CC	(D)
Georgia	4.7	4.0
Florida	3.7	1.3
East South Central Div.	42.0	23.5
Kentucky	15.8	10.5
Tennessee	EE	(1)
Alabama	CC	(1)
Mississippi	BB	(1)
CONVEYORS, CONVEYING EQUIPMENT, EXCEPT HOISTS (35351)--Continued		
South Region--Continued		
West South Central Div.	20.8	12.0
Arkansas	AA	(D)
Louisiana	AA	(D)
Texas	16.9	10.2
West Region	33.3	23.7
Mountain Div.	5.6	2.2
Colorado	5.5	1.8
Pacific Div.	27.7	21.4
Washington	AA	1.6
Oregon	BB	1.4
California	24.6	18.4
CONVEYOR PARTS, ATTACHMENTS, AND ACCESSORIES (35352)		
United States	118.6	88.0
Northeast Region	22.1	15.7
New England Div.	AA	(D)
Massachusetts	AA	(D)
Middle Atlantic Div.	FF	(D)
New Jersey	CC	(1)
Pennsylvania	12.8	9.2
North Central Region	71.8	53.9
East North Central Div.	65.5	51.4
Ohio	5.3	4.8
Indiana	EE	(1)
Illinois	24.7	16.9
Michigan	13.7	9.1
Wisconsin	BB	(1)
West North Central Div.	6.3	2.5
Minnesota	2.3	1.1
Iowa	BB	(D)
Kansas	AA	(D)
South Region	21.6	14.7
South Atlantic Div.	12.0	(D)
Virginia	BB	(1)
South Carolina	CC	(1)
East South Central Div.	8.3	(D)
Alabama	BB	(D)
Mississippi	BB	(1)
West South Central Div.	1.4	(D)
Texas	AA	(1)
West Region	3.1	3.7
Pacific Div.	BB	(D)
California	1.9	1.7
HOISTS (35361)		
United States	144.9	105.0
Northeast Region	37.1	23.8
New England Div.	4.8	(D)
New Hampshire	AA	(1)
Connecticut	BB	(D)
HOISTS (35361)--Continued		
Middle Atlantic Div.	32.3	(D)
New York	EE	10.6
New Jersey	BB	(1)
Pennsylvania	EE	10.1
North Central Region	65.0	49.6
East North Central Div.	60.4	45.9
Ohio	15.5	17.4
Indiana	1.4	(D)
Illinois	2.8	7.6
Michigan	20.5	12.2
Wisconsin	20.2	8.0
West North Central Div.	4.6	3.7
Minnesota	BB	(1)
Iowa	AA	1.4
South Region	25.3	15.4
East South Central Div.	EE	(D)
Kentucky	AA	(1)
Tennessee	CC	(1)
Mississippi	AA	(D)
West South Central Div.	EE	(D)
Arkansas	EE	(1)
West Region	17.5	16.2
Mountain Div.	AA	(D)
Colorado	AA	(1)
Pacific Div.	EE	(D)
Washington	CC	(1)
Oregon	AA	(1)
California	8.3	7.4
OVERHEAD TRAVELING CRANES AND MONORAIL SYSTEMS (35362)		
United States	215.1	115.7
Northeast Region	13.2	(D)
Middle Atlantic Div.	EE	10.5
New York	CC	(1)
Pennsylvania	6.2	(1)
North Central Region	170.0	90.3
East North Central Div.	GG	(D)
Ohio	67.9	37.1
Illinois	EE	11.0
Michigan	27.0	13.7
Wisconsin	FF	(1)
West North Central Div.	EE	(D)
Iowa	EE	(1)
South Region	6.6	2.9
West South Central Div.	CC	(D)
Texas	CC	(1)
West Region	25.4	(D)
Pacific Div.	25.4	10.4
Washington	CC	(1)
California	EE	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3531-	Construction machinery	3,766.6	3,829.2	3,452.2	3,023.1	2,624.2	1,996.3	1,410.7	(NA)
35311	Contractors off-highway wheel tractors, except parts and attachments	132.3	205.7	174.5	131.1	102.7	90.0	46.4	(NA)
35312	Tracklaying-type tractors, except parts and attachments	389.9	466.6	430.1	390.8	317.4	287.3	266.8	133.7
35313	Parts and attachments for tracklaying type tractors, contractors off-highway wheel tractors, and tractor shovel loaders	604.2	454.9	404.1	[2]321.6	395.6	[2]272.1	[2]169.6	(NA)
35314	Power cranes, (including locomotive full circle revolving with booms), draglines, shovels, and parts	656.6	687.3	606.8	542.8	464.8	361.1	268.7	248.0
35316	Mixers, pavers, and related equipment, excluding parts	162.3	172.7	147.9	147.8	132.0	101.9	71.0	56.8
35317	Tractor-shovel loaders, excluding parts and attachments	411.6	422.4	406.4	[2]390.5	295.3	[3]157.9	(NA)	(NA)
35318	Scrapers, graders, rollers, and off-highway trucks, trailers, and wagons excluding parts	711.4	712.4	641.0	572.1	480.0	326.0	(NA)	(NA)
35319	Other construction machinery, equipment, including parts	613.9	670.1	604.5	501.1	403.5	[2]368.1	(NA)	(NA)
35310	Construction machinery, n.s.k.	84.5	(37.1)	(37.0)	(25.2)	33.2	32.0	(NA)	(NA)
3532-	Mining machinery	521.5	523.7	444.1	380.0	336.2	275.3	144.7	(NA)
35321	Underground mining and mineral benefication machinery and equipment	101.4	97.7	85.7	80.9	73.6	64.7	61.5	(NA)
35322	Crushing, pulverizing, and screening machinery	78.5	95.8	75.8	62.0	58.0	67.8	46.6	(NA)
35323	All other mining machinery and equipment	50.1	67.4	51.2	48.8	39.3			
35324	Parts and attachments for mining machinery and equipment	257.2	250.1	222.9	182.5	158.0	142.8	36.6	(NA)
35320	Mining machinery, n.s.k.	34.3	(12.8)	(8.5)	(5.8)	7.3			
3533-	Oilfield machinery	660.7	709.8	685.5	624.9	572.7	496.1	468.7	262.9
35331	Rotary oil and gas field drilling machinery and equipment	243.5	275.1	268.4	244.7	217.2	222.0	223.5	
35332	Other oil and gas field drilling machinery and equipment	43.5	40.0	38.8	39.1	38.8	43.4	56.9	147.5
35533	Oil and gas field production machinery and equipment (except pumps)	260.5	292.8	278.5	263.3	261.4	175.5	147.8	
35334	Other oil and gas field machinery and tools (except pumps), incl. water wells	65.4	88.4	86.5	65.3	43.3	40.7	40.5	115.4
35330	Oil field machinery, n.s.k.	47.9	(13.5)	(13.3)	12.5	11.9	14.6	-	
35340	Elevators and moving stairways	295.9	279.8	261.1	266.6	248.2	165.3	128.1	96.4
3535-	Conveyors and conveying equipment	655.4	639.0	531.9	429.5	414.8	333.9	294.6	180.7
35351	Conveyors and conveying equipment (except hoists and farm elevators)	478.9	497.3	412.7	321.8	306.2	248.0	233.4	145.9
35352	Parts, attachments, and accessories for conveyors and conveying equipment	118.6	124.5	109.2	83.8	88.0	72.0	61.3	34.8
35350	Conveyors and conveying equipment, n.s.k.	57.9	(17.3)	(10.0)	23.9	20.6	13.9	-	-
3536-	Hoists, cranes, and monorails	385.3	360.2	292.2	249.1	224.2	165.5	159.1	93.3
35361	Hoists	144.9	159.4	128.8	113.5	105.0	59.4	55.1	56.0
35362	Overhead traveling cranes and monorail systems	215.1	195.7	160.3	133.5	115.7	106.1	104.0	37.2
35360	Hoists, cranes, and monorails, n.s.k.	25.3	(5.1)	(3.2)	(2.1)	3.5	(NA)	(NA)	(NA)
35370	Industrial trucks and tractors	780.7	768.5	636.6	562.9	458.7	276.7	254.8	154.8

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Parts (for replacement and repair) and attachments for wheel type tractor shovel loaders and for tracklaying type tractor shovel loaders are included in product class code 35317 for 1964. These parts were included in product class 35319 for 1958 and 1954.

[3]Source: Current Industrial Reports Series M35D, Construction Machinery, and M35S, Tractors (Except Garden Tractors). These data exclude the value of parts and attachments for wheel type shovel loaders. In addition, data for 1958 exclude parts and attachments for tracklaying type shovel loaders.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3531.--CONSTRUCTION MACHINERY					
	Materials, parts, containers, and supplies, total	.....	(X)	1,929.9	(X)	1,284.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	412.4	70.5	271.9	43.9
331012	Sheet and strip	...do.....	141.8	22.3	104.0	16.1
331013	Plates	...do.....	591.0	93.4	506.2	74.1
331015	Structural shapes	...do.....	108.9	17.6	115.4	18.0
331017	Wire and wire products	...do.....	8.6	3.6	5.3	2.9
331019	All other carbon steel mill shapes and forms	...do.....	[1]94.8	[1]23.4	94.7	21.3
	Alloy steel except stainless:					
331021	Bars and bar shapes	...do.....	65.7	15.9	48.6	11.8
331029	All other alloy steel mill shapes and forms	...do.....	68.0	18.6	55.1	13.4
331031	Stainless steel	...do.....	0.7	1.0	0.4	0.6
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	0.9	0.9	1.3	1.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	(NA)	0.8	0.5	0.3
335123	Plate, sheet and strip (including military cups and discs)	...do.....	(NA)	0.5	8.4	4.3
335127	Pipe and tube	...do.....	([2])	([2])	3.2	1.6
	Aluminum and aluminum-base alloy:					
335202	Sheet plate and foil	...do.....	1.6	0.8	2.5	1.2
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	1.0	0.7	1.6	0.8
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	1.4	1.5	0.2	0.1
331051	Pig iron (excluding silvery iron)	1,000 short tons.	43.5	2.5	34.7	2.1
999811	Iron and steel scrap (purchased scrap only)	...do.....	96.9	3.1	65.0	2.1
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do.....	246.9	103.4	154.8	54.2
332300	Steel	...do.....	177.6	124.1	160.4	95.0
336100	Aluminum and aluminum-base alloy	Million lbs.....	13.3	12.2	10.1	7.9
336200	Copper and copper-base alloy	...do.....	3.6	3.4	5.3	4.3
339100	Iron and steel forgings[3]	1,000 short tons.	313.6	145.9	230.3	97.5
	Engines:[3]					
351920	Diesel and semidiesel	Thousands.....	34.9	80.9	42.1	87.6
351901	Gasoline and other carburetor	...do.....	28.5	15.9	43.2	14.6
362120	Integral horsepower motors and generators (1 hp. and over)[3]	...do.....	(NA)	22.3	26.5	16.9
	Bearings:					
356218	Ball	.....	(X)	18.6	(X)	9.8
356201	Roller	.....	(X)	36.5	(X)	15.2
301131	Pneumatic tires	Thousands.....	465.9	63.3	367.0	40.9
356601	Mechanical power transmission equipment, (except motor vehicle), including gears, clutches, etc	.....	(X)	60.7	(X)	72.2
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	774.2	(X)	492.3
976000	Materials, parts, containers, and supplies, n.s.k.[4]	.....	(X)	191.4	(X)	60.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3532.--MINING MACHINERY AND EQUIPMENT					
	Materials, parts, containers and supplies, total	.....	(X)	259.9	(X)	166.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	54.3	10.9	21.9	4.5
331012	Sheet and strip	...do.....	12.0	1.7	5.7	1.0
331013	Plates	...do.....	84.9	14.0	46.2	6.8
331015	Structural shapes	...do.....	25.2	4.0	15.5	2.4
331017	Wire and wire products	...do.....	[5]6.8	[5]2.3	0.3	0.1
331019	All other carbon steel mill shapes and forms	...do.....			8.4	1.2
	Alloy steel except stainless:					
331021	Bars and bar shapes	...do.....	33.7	11.0	8.7	2.5
331029	All other alloy steel mill shapes and forms	...do.....			8.2	1.9
331031	Stainless steel	...do.....	1.0	1.4	0.7	1.0
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million pounds...	(6)	(6)		
335790	Insulated wire and cable	Million pounds (copper content)	(6)	(6)	0.5	0.6
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million pounds...	1.1	0.6	0.4	0.3
335123	Plate, sheet and strip (including military cups and discs)	...do.....			0.1	0.1
335127	Pipe and tube	...do.....	(2)	(2)	0.1	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet plate and foil	...do.....	0.3	0.2	0.1	0.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do.....				
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....			(NA)	0.2
331051	Pig iron (excluding silvery iron)	1,000 short tons.	4.1	0.3	5.5	0.3
999811	Iron and steel scrap (purchased scrap only)	...do.....	14.2	0.6	14.5	0.5
	Castings (rough and semifinished): [3]					
332011	Iron (gray and malleable)	...do.....	13.7	7.4	10.7	4.3
332300	Steel	...do.....	42.3	30.5	24.5	14.8
336100	Aluminum and aluminum-base alloy	Million pounds...	0.2	0.3	0.1	0.2
336200	Copper and copper-base alloy[1]	...do.....	1.2	1.2	0.6	0.7
339100	Iron and steel forgings[3]	1,000 short tons.	12.3	9.0	17.9	8.1
	Engines: [3]					
351920	Diesel and semidiesel	1,000.....	0.3	0.6	0.5	1.5
351901	Gasoline and other carburetor	...do.....	(6)	(6)	0.6	0.3
362120	Integral horsepower motors and generators (1 hp. and over)[3]	...do.....	8.5	5.9	9.9	8.8
	Bearings:					
356218	Ball	.....	(X)	1.4	(X)	1.2
356201	Roller	.....	(X)	3.4	(X)	1.6
301131	Pneumatic tires	1,000.....	(6)	(6)	9.6	1.0
356601	Mechanical power transmission equipment, (except motor vehicle), including gears, clutches, etc	.....	(X)	10.2	(X)	4.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	92.6	(X)	83.9
976000	Materials, parts, containers and supplies, n.s.k.[4]	.....	(X)	50.4	(X)	11.6
	INDUSTRY 3533.--OILFIELD MACHINERY					
	Materials, parts, containers, and supplies, total	.....	(X)	261.9	(X)	216.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	65.8	12.2	50.0	9.2
331013	Plates	...do.....	52.2	8.4	44.8	6.8
331015	Structural shapes	...do.....	26.5	4.4	32.1	5.1
331019	All other carbon steel mill shapes and forms	...do.....	22.7	7.0	27.5	7.1
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	96.4	25.7	75.0	19.5
331029	All other alloy steel mill shapes and forms	...do.....	20.5	6.4	26.2	7.3
331031	Stainless steel mill shapes and forms	...do.....	2.9	4.0	1.8	2.6
335121	Copper and copper-base alloy	Million lbs.....	1.6	1.3	2.4	1.5
335208	Aluminum and aluminum-base alloy	...do.....	1.3	1.1	0.9	0.7

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3533.--OILFIELD MACHINERY--Con.					
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	13.9	5.5	46.0	12.8
332300	Steel	...do	36.3	19.4	17.0	11.5
336200	Copper and copper-base alloy	Million lbs.	1.2	1.4	2.0	1.4
339100	Iron and steel forgings[3]	1,000 short tons.	23.5	12.0	17.1	7.8
351920	Engines, diesel and semidiesel[3]	1,000	0.8	4.9	0.8	3.3
	Bearings:					
356218	Ball		(X)	2.6	(X)	1.7
356201	Roller		(X)	2.5	(X)	2.7
970099	All other materials and components, parts, containers, and supplies consumed		(X)	99.1	(X)	91.1
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	44.0	(X)	24.3
	INDUSTRY 3534.--ELEVATORS AND MOVING STAIRWAYS					
	Materials, parts, containers, and supplies, total		(X)	122.3	(X)	108.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	13.8	2.5	18.5	3.3
331012	Sheet and strip	...do	14.2	2.5	20.2	3.5
331013	Plates	...do	8.9	1.5	8.9	1.4
331015	Structural shapes	...do	18.1	3.2	17.4	2.7
331017	Wire and wire products	...do	15.6	3.2	1.4	1.0
331019	All other carbon steel mill shapes and forms	...do			21.0	4.7
331020	Alloy steel (except stainless)	...do	0.1	(Z)	0.9	0.3
331031	Stainless steel	...do	1.3	1.6	0.6	0.7
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	(6)	(6)	2.8	2.0
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs.	0.3	0.3	0.3	0.1
335123	Plate, sheet, and strip, including military cups and discs	...do			0.5	0.4
335127	Pipe and tube	...do	(NA)	0.8	0.8	0.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do			0.1	(Z)
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	1.4	0.8	0.4	0.2
335209	All other aluminum mill shapes and forms (wire, rolled, rod, and bar, powder, welded tubing, etc.)	...do			0.1	(Z)
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	11.4	4.6	8.5	3.2
332300	Steel	...do	3.8	3.5	1.3	1.2
339100	Iron and steel forgings[3]	...do	(6)	(6)	0.8	0.6
351901	Gasoline and other carburetor engines[3]	Thousands	(6)	(6)	(6)	(6)
	Electric motors and generators:[3]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	...do	12.3	0.7	12.8	0.8
362120	Integral horsepower motors and generators (1 hp. and over)	...do	7.7	3.6	9.5	4.1
	Bearings:					
356218	Ball		(X)	1.0	(X)	1.2
356201	Roller		(X)	0.4	(X)	0.4
970099	All other materials, and components, parts, containers, and supplies consumed		(X)	53.6	(X)	60.2
976000	Materials, parts, containers, and supplies, n. s. k.[4]		(X)	38.5	(X)	15.7

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3535.—CONVEYORS AND CONVEYING EQUIPMENT					
	Materials, parts, containers, and supplies, total	...	(X)	272.0	(X)	174.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	54.0	9.6	42.9	7.6
331012	Sheet and strip	...do	82.7	13.5	57.5	8.8
331013	Plates	...do	50.4	8.0	37.9	5.6
331015	Structural shapes	...do	69.2	10.9	46.7	8.0
331017	Wire and wire products	...do	3.1	1.9	1.7	0.9
331019	All other carbon steel mill shapes and forms	...do	[5]17.4	[5]4.7	28.0	5.4
331020	Alloy steel (except stainless)	...do	2.6	1.2	4.4	1.4
331031	Stainless steel	...do	2.8	3.9	2.2	2.7
	Copper and copper base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	0.4	0.4	0.3	0.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	(NA)	0.5	0.4	0.2
335123	Plate sheet, and strip, including military cups and discs	...do	0.3	0.3	0.2	0.1
335127	Pipe and tube	...do	([2])	([2])	2.4	1.6
	Aluminum and aluminum base alloy:					
335202	Sheet, plate, and foil	...do	2.9	1.8	1.4	0.7
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	2.2	1.1	1.7	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod, and bar, powder, welded tubing, etc.)	...do	(NA)	0.2	0.2	0.2
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	1,000 short tons.	11.2	4.6	12.3	5.2
332300	Steel	...do	(NA)	2.4	2.1	1.3
339100	Iron and steel forgings[3]	...do	([6])	([6])	3.7	2.7
351901	Gasoline and other carburetor engines[3]	1,000	(NA)	0.2	0.9	0.2
	Electric motors and generators:[3]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	...do	42.4	3.1	36.5	2.6
362120	Integral horsepower motors and generators (1 hp. and over)	...do	25.1	4.1	19.5	3.4
	Bearings:					
356218	Ball	...	(X)	4.6	(X)	2.9
356201	Roller	...	(X)	3.8	(X)	1.8
369101	Storage batteries	1,000	([6])	([6])	0.5	(Z)
970099	All other material and components, parts, containers, and supplies consumed	...	(X)	122.9	(X)	81.7
976000	Materials, parts, containers, and supplies, n.s.k.[4]	...	(X)	68.3	(X)	27.4
	INDUSTRY 3536.--HOISTS, CRANES, AND MONORAILS					
	Materials, parts, containers, and supplies, total	...	(X)	178.7	(X)	101.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	22.6	4.4	15.8	3.1
331012	Sheet and strip	...do	13.2	2.1	7.2	1.0
331013	Plates	...do	79.1	12.4	6.6	10.4
331015	Structural shapes	...do	32.6	5.6	47.4	7.2
331017	Wire and wire products	...do	0.8	0.5	1.1	0.6
331019	All other carbon steel mill shapes and forms	...do	9.6	2.5	12.2	3.0
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	13.8	3.9	1.5	0.6
331029	All other alloy steel mill shapes and forms	...do			0.7	0.5
331031	Stainless steel	...do			0.1	0.1
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs.	2.4	2.3	1.7	1.3
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	...do	(NA)	1.8	0.2	0.1
335123	Plate, sheet strip, including military cups and discs	...do				
335127	Pipe and tube	...do			1.1	0.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	0.7	0.4	0.5	0.3
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do			0.3	0.2
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			(Z)	(Z)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3536.--HOISTS, CRANES, AND MONORAILS--Con.					
	Materials, parts, containers, and supplies--Con.					
331051	Pig iron, excluding silvery iron	1,000 short tons.	(X)	(Z)	[6]	[6]
999811	Iron and steel scrap, excluding home scrap	...do	-	-	[6]	[6]
	Castings (rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	11.8	6.4	7.9	3.4
332300	Steel	...do	7.6	5.8	6.2	4.3
336100	Aluminum and aluminum-base alloy	Million lbs	1.9	1.6	1.1	1.2
336200	Copper and copper-base alloy	...do	1.3	1.0	1.0	0.7
339100	Iron and steel forgings[3]	1,000 short tons.	4.9	2.9	14.0	3.1
	Engines:[3]					
351920	Diesel and semidiesel	1,000	[6]	[6]	(Z)	0.3
351901	Gasoline and other carburetor	...do	1.4	0.3	1.7	0.3
362120	Integral horsepower electric motors and generators (1 hp. and over)[3]	...do	33.5	6.9	21.0	7.2
	Bearings:					
356218	Ball		(X)	1.8	(X)	1.0
356201	Roller		(X)	3.1	(X)	1.8
301131	Pneumatic tires	1,000	[6]	[6]	3.4	0.2
356601	Mechanical power transmission equipment, (except motor vehicle) including gears, clutches, etc		(X)	3.7	(X)	4.8
970099	All other materials and components, parts, containers and supplies consumed		(X)	61.2	(X)	38.9
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	48.1	(X)	5.4
	INDUSTRY 3537.--INDUSTRIAL TRUCKS AND TRACTORS					
	Materials, parts, containers, and supplies, total		(X)	333.4	(X)	192.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 s. tons	64.6	11.1	42.5	7.2
331012	Sheet and strip	...do	57.8	9.0	43.4	6.4
331013	Plates	...do	66.7	11.5	54.1	7.7
331015	Structural shapes	...do	25.4	5.0	19.3	3.6
331017	Wire and wire products	...do	[5]15.6	[5]3.4	0.4	0.1
331019	All other carbon steel mill shapes and forms	...do			15.0	3.3
331020	Alloy steel (except stainless)	...do	11.8	4.1	2.6	0.9
331031	Stainless steel	...do			0.4	0.6
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Mil. lbs. (copper content)	0.7	0.6	0.5	0.4
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Mil. lbs	(NA)	0.2	(Z)	(Z)
335123	Plate, sheet, and strip, including military cups and discs	...do	(NA)	0.1	(Z)	(Z)
335127	Pipe and tube	...do	[2]	[2]	0.2	0.2
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	4.6	2.7	1.4	0.7
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do			0.5	0.3
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			(Z)	(Z)
	Castings (rough and semifinished):					
332011	Iron (gray and malleable)	1,000 s. tons	51.2	14.4	33.7	8.4
332300	Steel	...do	9.1	6.7	5.8	4.1
339100	Iron and steel forgings	1,000 tons	4.6	4.1	2.7	2.8
351901	Gasoline and other carburetor engines	1,000	43.4	17.3	29.5	11.2
	Electric motors and generators:					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	...do	(NA)	1.7	9.4	0.6
362120	Integral horsepower motors and generators (1 hp. and over)	...do	(NA)	2.4	21.7	2.3
	Bearings:					
356218	Ball		(X)	1.6	(X)	1.9
356201	Roller		(X)	1.6	(X)	1.8
369101	Storage batteries	1,000	67.1	4.2	33.6	2.8
970099	All other materials and components, parts, containers and supplies consumed		(X)	180.6	(X)	110.9
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	51.1	(X)	14.4

See footnotes on next page.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

Footnotes for Table 7A--35B

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. (Z) Under 50 thousand.

[1]The figures are understated by $10 million or less because of apparent undercoverage of carbon steel pipe and tube.

[2]Included with material code 970099, "All other materials and components, etc."

[3]For 1967, the following materials were produced and consumed in the same establishment for industry 3531: iron and steel forgings (code 339100), 36.0 thousand short tons; and gasoline and other carburetor engines (code 351901), 9.3 thousand units. No other data are available for 1967 on the quantities of castings, forgings, engines, and integral horsepower motors and generators produced and consumed in the same establishment. For 1963, the following data are available: industry 3531--iron and steel forgings (code 339100), 34.0 thousand short tons; gasoline and other carburetor engines (code 351901), 9.4 thousand units; fractional horsepower electric motors (code 362115), 0.7 thousand units; integral horsepower motors and generators (1 hp. and over) (code 362120), 9.1 thousand units; industry 3532--iron castings (code 332011), 12.2 thousand short tons; steel castings (code 332300), 1.3 thousand short tons; copper castings (code 336200), 1.7 million pounds; industry 3533--iron castings (code 332011), 3.9 thousand short tons; steel castings (code 332300), 1.6 thousand short tons; industry 3535--iron castings (code 332011), 9.8 thousand short tons; fractional horsepower electric motors (code 362115), 0.3 thousand units; and industry 3537--integral horsepower motors and generators (1 hp. and over) (code 362120), 6.8 thousand units.

[4]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[5]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[6]Included with material code 970099. "All other materials and components, etc." to avoid disclosing figures for individual companies.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Construction machinery (SIC 3531)	Oilfield machinery (SIC 3533)
	Cost of purchased fuels and electric energy, total....	Million dollars.	33.0	7.7
	Cost of purchased fuels, total.....	Million dollars.	14.2	2.7
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons	345.6	(NA)
	Cost.....	Million dollars.	2.6	(NA)
331212	Coke, screenings, and breeze:			
	Quantity.....	1,000 short tons	14.8	(NA)
	Cost.....	Million dollars.	0.5	(NA)
	Fuel oil, total:			
	Quantity.....	1,000 barrels...	290.8	(NA)
	Cost.....	Million dollars.	1.2	(NA)
291141	Distillate:			
	Quantity.....	1,000 barrels...	208.9	(NA)
	Cost.....	Million dollars.	0.9	(NA)
291151	Residual:			
	Quantity.....	1,000 barrels...	81.9	(NA)
	Cost.....	Million dollars.	0.3	(NA)
131300	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
	Quantity.....	Million cu. ft..	10,778.9	(NA)
	Cost.....	Million dollars.	6.1	(NA)
960013	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.4	(NA)
	Fuels, n.s.k.....	...do.....	3.4	(NA)
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs.	1,684.4	471.5
	Cost.....	Million dollars.	18.8	5.0
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	80.1	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	8,310.2	1,905.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3531	CONSTRUCTION MACHINERY										
	ENTIRE INDUSTRY	651	133.1	989.4	98.6	193.9	673.4	2 056.5	2 103.6	4 138.0	184.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	583	107.5	795.2	80.2	157.2	543.9	1 720.6	1 712.9	3 417.4	153.0
35311	CONTRACTORS OFF-HIGHWAY WHEEL TRACTORS, EXC. PTS.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	7	1.9	15.5	1.4	2.6	9.2	28.9	77.3	104.8	4.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35312	TRACKLAYING-TYPE TRACTORS, EXC PARTS, ATTACHMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	4	25.4	197.1	20.1	36.3	146.8	492.5	325.1	815.6	34.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35313	PTS, ATTACHM'TS--TRACTORS, TRACTOR SHOVEL LOADERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	36	14.7	108.5	11.0	21.4	76.3	212.6	252.3	467.3	44.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	25	4.0	30.2	3.0	5.5	20.0	61.3	56.2	116.7	(D)
35314	POWER CRANES, DRAGLINES, SHOVELS, AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	64	24.0	167.6	18.6	37.6	119.0	395.8	348.6	710.5	9.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	52	20.1	138.4	15.3	30.8	96.1	324.4	283.5	576.4	7.2
35316	MIXERS, PAVERS, RELATED EQUIPMENT, EXC. PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	55	8.8	65.7	5.9	12.4	36.9	107.6	119.3	222.5	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	28	2.6	18.3	1.9	3.9	11.2	33.3	36.0	66.2	1.0
35317	TRACTOR SHOVEL LOADERS, EXC. PARTS, ATTACHMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	6.7	53.1	4.8	9.1	34.8	125.0	160.5	286.9	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35318	SCRAPERS, GRADERS, OFF-HWY. TRUCKS, WAGONS, ETC.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	55	28.5	223.1	20.4	40.6	147.1	404.9	533.4	953.6	38.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	27	8.4	62.8	6.3	12.2	42.5	139.3	162.2	301.0	6.9
35319	OTHER CONSTRUCTION MACHINERY, EQUIPMENT AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	152	19.3	135.4	13.6	28.1	86.7	248.0	246.8	496.4	13.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	106	10.3	71.6	7.3	14.9	45.5	142.5	142.6	285.4	6.8
3532	MINING MACHINERY										
	ENTIRE INDUSTRY	212	21.7	156.7	14.9	29.7	95.8	308.3	313.5	622.2	18.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	186	12.3	88.6	8.6	17.2	54.6	185.7	174.8	356.2	10.0
35321	UNDERGROUND MINING, MINERAL BENEFICIATION EQUIP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	31	6.0	43.4	4.2	8.6	27.2	83.0	74.4	157.9	4.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	14	.6	3.9	.4	.8	2.3	7.1	7.7	14.8	.3
35322	CRUSHING, PULVERIZING AND SCREENING MACHINERY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	18	1.2	9.1	.8	1.7	5.3	16.2	19.2	35.1	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	9	.4	3.4	.3	.6	1.9	5.1	7.6	12.6	.5
35323	ALL OTHER MINING MACHINERY AND EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	15	1.4	10.7	1.1	2.3	6.8	21.1	27.6	47.4	.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	7	.2	1.4	.1	.3	.9	3.3	2.1	5.4	.1
35324	PARTS, ATTACHMENTS FOR MINING MACH. AND EQUIP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	56	12.0	85.6	8.0	15.5	51.3	171.6	175.9	349.4	10.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	43	5.1	34.7	3.6	7.0	22.0	74.3	57.8	130.1	5.5
3533	OILFIELD MACHINERY										
	ENTIRE INDUSTRY	360	32.7	240.4	21.7	46.1	143.4	502.9	305.3	799.8	23.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	319	22.8	171.4	15.1	31.9	102.5	377.8	202.1	570.6	16.1
35331	ROTARY OIL, GAS FIELD DRILLING MACH., EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	69	11.7	89.7	7.8	16.9	55.4	201.1	94.0	282.2	8.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	55	9.6	73.8	6.4	13.8	46.3	167.4	67.3	225.2	7.5
35332	OTHER OIL, GAS FIELD DRILLING MACH., EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	22	2.0	15.0	1.3	2.6	7.9	29.3	14.3	43.6	2.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	15	.6	4.5	.5	.9	2.8	9.0	3.3	12.8	.5
35333	OIL, GAS FIELD PROD. MACH., EQUIP., EXC. PUMPS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	72	11.5	83.3	7.3	15.0	46.2	184.7	118.7	305.1	7.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	57	5.8	44.9	3.5	7.5	23.7	116.7	69.1	183.1	4.8
35334	OTHER OIL-GASFIELD, INCL. WATER WELL, EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	26	4.8	33.2	3.4	7.6	22.0	49.9	55.0	108.3	3.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	12	1.5	11.0	1.1	2.6	7.4	18.0	14.5	30.4	.6
3534	ELEVATORS AND MOVING STAIRWAYS										
	ENTIRE INDUSTRY	144	13.9	107.6	8.8	18.1	63.4	196.1	128.4	319.7	3.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	135	12.3	96.4	7.6	15.4	55.7	177.5	115.3	287.9	3.5
3535	CONVEYORS AND CONVEYING EQUIPMENT										
	ENTIRE INDUSTRY	446	27.4	213.3	16.8	35.0	112.0	415.8	353.4	763.0	13.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	396	19.7	156.5	12.4	26.1	84.5	298.3	243.4	539.5	10.4
35351	CONVEYORS, CONVEYING EQUIPMENT, EXC. HOISTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	233	22.4	176.8	13.4	28.2	90.6	345.4	297.2	637.3	10.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	166	11.4	93.4	7.0	14.9	48.8	169.5	142.7	312.9	5.8
35352	CONVEYOR PARTS, ATTACHMENTS, AND ACCESSORIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	24	2.4	17.7	1.5	3.2	9.8	38.0	27.5	64.9	1.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	17	1.0	7.2	.7	1.5	4.3	18.6	11.0	29.3	.6

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967–Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3536	HOISTS, CRANES, AND MONORAILS										
	ENTIRE INDUSTRY	141	16.8	134.3	11.6	24.1	88.0	241.6	202.1	444.4	11.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	127	9.0	69.5	6.3	13.3	45.6	134.9	109.8	241.4	7.4
35361	HOISTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	43	4.0	29.0	2.9	5.8	18.1	61.0	42.2	101.9	4.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	34	2.8	21.0	2.0	4.1	12.5	43.6	30.4	73.6	2.6
35362	OVERHEAD TRAVELING CRANES AND MONORAIL SYSTEMS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	43	12.1	100.0	8.3	17.2	66.1	171.3	149.3	322.3	6.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	31	3.4	27.4	2.3	4.7	18.6	48.4	48.1	94.6	2.2
3537	INDUSTRIAL TRUCKS AND TRACTORS										
	ENTIRE INDUSTRY	351	27.0	199.7	17.7	36.5	115.6	402.4	381.7	778.9	23.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	318	23.5	176.2	15.1	31.4	101.4	367.3	335.3	690.7	22.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. X Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titles "Selected Metalworking Operations."

METALWORKING MACHINERY AND EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3541--Machine Tools, Metal-Cutting Types
3542--Machine Tools, Metal-Forming Types
3544--Special Dies And Tools, Die-Sets, Jigs, and Fixtures
3545--Machine Tool Accessories and Measuring Devices
3548--Metalworking Machinery, Except Machine Tools; and Power-Driven Hand Tools

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3541--MACHINE TOOLS, METAL-CUTTING TYPES

This industry comprises establishments primarily engaged in manufacturing power-driven machines, not supported in the hands of an operator when in use, that shape metal by cutting or use of electrical techniques; the rebuilding of such machine tools, and the manufacture of replacement parts for them. Metalworking, or primarily metalworking, machine tools designed primarily for home workshops are also included. Establishments primarily engaged in the manufacture of electric welding equipment are classified in industry 3623; and portable power-driven handtools, gas welding and cutting equipment, and automotive maintenance equipment in industry 3548. For a detailed list of products of industry 3541, refer to table 6A, product codes 3541100 to 3541941.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Machine Tools, Metal-Cutting Types, Industry in 1967 totaled $2,127 million. This included shipments of machine tools, metal-cutting types (primary products), valued at $1,716 million, shipments of other products (secondary products) valued at $270 million, and miscellaneous receipts of $142 million.

This industry's shipments of machine tools, metal-cutting types (primary products) in 1967 represented 86 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 81 percent. Secondary products shipped by this industry in 1967 consisted mainly of machine tool accessories ($123 million), and machine tools, metal-forming types ($20 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 27 percent of the total industry shipments are represented by plants specializing in product class 35415, Lathes.

Industry 3541 shipments of machine tools, metal-cutting types (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $1,908 million shipped by all industries. In 1963, the coverage ratio was 88 percent. Other industries shipping machine tools, metal-cutting types (primary products) included industry 3545, Machine Tool Accessories, $41 million; and industry 3544, Special Dies, Tools, Jigs, and Fixtures, $26 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3541, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3542--MACHINE TOOLS, METAL-FORMING TYPES

This industry comprises establishments primarily engaged in manufacturing power driven machines, not supported in the hands of an operator while in use, for pressing, forging, hammering, extruding, shearing, bending or die casting metal into shape. This industry also includes rebuilding such machine tools and manufacturing repair parts for them. Establishments primarily engaged in the manufacture of electric welding equipment are classified in industry 3623; portable power-driven handtools, gas welding and cutting equipment, and automotive maintenance equipment in industry 3548. For a detailed list of products of industry 3542, refer to table 6A, product codes 3542100 to 3542475.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Machine Tools, Metal-Forming Types Industry in 1967 totaled $714 million. This included shipments of machine tools, metal-forming types (primary products), valued at $568 million, shipments of other products (secondary products) valued at $100 million, and miscellaneous receipts of $46 million.

This industry's shipments of machine tools, metal forming types (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 included machine tools, metal-cutting types ($23 million), and special dies, tools, jigs, and fixtures ($23 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 40 percent of the total industry shipments are represented by plants specializing in product class 35422, Presses, including forging presses.

Industry 3542 shipments of machine tools, metal-forming types (primary products) in 1967 represented 84 percent (coverage ratio) of these products valued at $677 million shipped by all industries. In 1963, the coverage ratio was 79 percent. Other industries shipping machine tools, metal-forming types (primary products) included industry 3541, Machine Tools, Metal-Cutting Types, $20 million; and industry 3548, Metalworking Machinery, N.E.C., $17 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3542, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3544--SPECIAL DIES AND TOOLS, DIE-SETS, JIGS, AND FIXTURES

This industry comprises establishments commonly known as contract tool and die shops and primarily engaged in manufacturing, on a job or order basis, special tools and fixtures for use with machine tools, hammers, die casting machines, and presses. The products of establishments classified in this industry include a wide variety of special toolings, such as dies; punches; die sets and components, and subpresses; jigs and fixtures; and special checking devices. Establishments primarily engaged in manufacturing molds for die casting and foundry casting; metal molds for plaster working, rubberworking, plastic-working, glass-working and similar machinery are also included. For a detailed list of products of industry 3544, refer to table 6A, product codes 3544113 to 3544263.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Special Dies, Tools, Jigs, and Fixtures Industry in 1967 totaled $2,202 million. This included shipments of special dies, tools, jigs, and fixtures (primary products), valued at $1,875 million, shipments of other products (secondary products) valued at $111 million, and miscellaneous receipts (mainly contract work on materials owned by others) of $216 million.

This industry's shipments of special dies, tools, jigs, and fixtures (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent. Secondary products shipped by this industry in 1967 included machine tools, metal-cutting types ($26 million), and metal stampings ($14 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 62 percent of the total industry shipments are represented by plants specializing in product class 35441, Special dies and tools, die sets, jigs and fixtures; and 17 percent in 35442, Industrial molds.

Industry 3544 shipments of special dies, tools, jigs, and fixtures (primary products) in 1967 represented 74 percent (coverage ratio) of these products valued at $2,520 million shipped by all industries. In 1963, the coverage ratio was 72 percent. Other industries shipping special dies, tools, jigs, and fixtures (primary products) included industry 3461, Metal Stampings, $241 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3544 these establishments accounted for approximately 3 percent of payroll and 5 percent of value added by manufacture.

3545--MACHINE TOOL ACCESSORIES AND MEASURING DEVICES

This industry comprises establishments primarily engaged in manufacturing cutting tools, machinists precision measuring tools, and attachments and accessories for machine tools

and for other metalworking machinery, not elsewhere classified. Establishments primarily engaged in manufacturing handtools except power driven are classified in Group 342. For a detailed list of products of industry 3545, refer to table 6A, product codes 3545113 to 3545351.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Machine Tool Accessories Industry in 1967 totaled $1,310 million. This included shipments of machine tool accessories (primary products), valued at $1,036 million, shipments of other products (secondary products) valued at $176 million, and miscellaneous receipts (mainly resales) of $98 million.

This industry's shipments of machine tool accessories (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 69 percent of the total industry shipments are represented by plants specializing in product class 35451, Small cutting tools for machine tools and metalworking machinery.

Industry 3545 shipments of machine tool accessories (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $1,222 million shipped by all industries. In 1963, the coverage ratio was 84 percent. Other industries shipping machine tool accessories (primary products) consisted mainly of industry 3541, Machine Tools, Metal-Cutting Types, $123 million; and industry 3544, Special Dies, Tools, Jigs, And Fixtures, $12 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3545, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3548--METALWORKING MACHINERY, EXCEPT MACHINE TOOLS; AND POWER-DRIVEN HANDTOOLS

This industry comprises establishments primarily engaged in manufacturing metalworking machinery such as rolling mill machinery and equipment, welding equipment, wire fabricating machinery and equipment, except wire drawing dies, and automotive maintenance machinery and equipment. This industry also includes establishments primarily engaged in manufacturing power-driven handtools for all applications. Establishments primarily engaged in manufacturing machine tools, metal-cutting types, are classified in industry 3541, and those primarily engaged in manufacturing machine tools, metal-forming types, in industry 3542. For a detailed list of products of industry 3548, refer to table 6A, product codes 3548111 to 3548598.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Metalworking Machinery, N.E.C., Industry in 1967 totaled $1,158 million. This included shipments of metalworking machinery, n.e.c.

(primary products), valued at $905 million, shipments of other products (secondary products) valued at $141 million, and miscellaneous receipts (mainly resales) of $112 million.

This industry's shipments of metalworking machinery, n.e.c. (primary products) in 1967 represented 86 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 85 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 44 percent of the total industry shipments are represented by plants specializing in product class 35482, Power driven handtools; and 34 percent in 35481, Rolling mill machinery and equipment.

Industry 3548 shipments of metalworking machinery, n.e.c. (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $1,028 million shipped by all industries. In 1963, the coverage ratio was also 88 percent. Other industries shipping metalworking machinery, n.e.c. (primary products) included industry 3323, Steel Foundries, $24 million; and industry 3542, Machine Tools, Metal-Forming Types, $14 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3548, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3541.--MACHINE TOOLS, METAL-CUTTING TYPES														
1967 Census....	903	338	87.2	759.9	60.5	131.8	476.5	1,391.3	766.9	2,127.2	78.7	535.3	86	90
1966 ASM[1].....	(NA)	(NA)	79.8	673.4	55.3	123.8	427.5	1,234.2	669.4	1,826.1	74.9	489.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	70.8	565.0	48.7	108.1	353.7	993.6	559.2	1,524.4	53.7	394.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	65.1	497.7	44.5	97.3	306.8	836.2	479.5	1,286.0	41.7	343.6	(NA)	(NA)
1963 Census....	801	269	61.1	438.2	41.0	86.5	272.2	699.3	381.6	1,060.8	28.8	316.3	81	88
1962 ASM[1].....	(NA)	(NA)	58.9	401.8	39.3	81.2	235.0	671.0	333.0	982.1	26.6	279.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	54.9	353.0	36.4	72.7	201.5	550.1	281.5	828.4	18.7	263.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	58.8	370.9	39.5	80.9	223.8	578.2	311.8	881.7	24.8	266.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	52.8	329.5	35.4	72.2	202.0	505.4	262.2	753.8	22.2	251.1	(NA)	(NA)
1958 Census[2]...	627	231	52.9	300.3	36.2	69.6	182.2	421.0	217.7	679.8	18.8	231.8	85	89
INDUSTRY 3542.--MACHINE TOOLS, METAL-FORMING TYPES														
1967 Census....	350	168	29.2	249.6	20.9	46.2	165.0	437.2	295.4	714.0	26.2	207.8	35	84
1966 ASM[1].....	(NA)	(NA)	28.4	244.9	20.9	47.4	164.2	432.1	311.9	727.7	27.6	189.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	25.5	205.5	18.5	41.5	138.8	349.0	254.3	582.8	20.5	164.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	23.0	180.3	16.7	37.9	121.6	318.5	199.2	504.7	*30.0	138.6	(NA)	(NA)
1963 Census....	366	146	22.1	161.7	15.8	34.6	107.4	281.3	165.4	441.4	10.8	124.2	86	79
1962 ASM[1].....	(NA)	(NA)	23.4	172.0	18.4	37.0	109.5	265.8	180.7	448.2	*12.7	135.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	23.2	158.2	18.3	34.8	101.1	221.7	174.9	413.5	7.7	129.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	22.4	152.1	18.0	35.8	100.9	237.6	156.9	384.0	12.6	123.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	22.3	146.6	17.9	35.0	94.7	232.0	141.1	357.7	9.7	121.6	(NA)	(NA)
1958 Census[2]...	291	147	22.5	132.4	15.6	30.9	82.2	176.0	130.1	317.7	11.7	103.7	82	80
INDUSTRY 3544.-SPECIAL DIES, TOOLS, JIGS, AND FIXTURES														
1967 Census....	6,615	1,531	113.6	1,032.8	95.5	214.2	300.0	1,646.7	577.6	2,202.3	114.7	214.2	94	74
1966 ASM[1].....	(NA)	(NA)	120.3	1,028.3	100.8	231.7	792.6	1,664.5	592.6	2,217.9	133.9	194.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	108.5	881.0	90.3	209.3	684.3	1,341.7	514.3	1,839.2	80.5	167.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	93.8	741.7	78.7	179.1	581.6	1,180.1	403.1	1,571.3	49.5	134.4	(NA)	(NA)
1963 Census....	5,896	1,133	90.9	682.7	76.0	169.3	543.0	1,029.3	373.3	1,388.8	53.3	124.8	93	72
1962 ASM[1].....	(NA)	(NA)	101.2	706.6	84.2	184.9	553.0	1,106.6	393.8	1,488.3	*49.2	126.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	90.4	605.3	74.3	156.3	460.0	901.5	312.3	1,201.9	*36.8	110.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	93.2	638.2	76.8	163.3	491.8	966.5	342.9	1,315.0	*38.3	102.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	89.4	597.9	74.2	158.2	465.0	932.0	311.4	1,235.0	*29.1	105.3	(NA)	(NA)
1958 Census[2]...	5,745	994	83.3	536.6	68.9	139.9	415.2	780.1	275.0	1,060 6	43.2	97.1	93	69
INDUSTRY 3545.--MACHINE TOOL ACCESSORIES														
1967 Census....	1,141	429	60.3	479.3	45.2	96.4	324.2	922.8	416.3	1,309.9	55.0	273.7	85	85
1966 ASM[1].....	(NA)	(NA)	55.9	429.6	40.9	91.3	287.0	883.3	363.6	1,230.3	53.1	231.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	51.9	375.6	37.9	81.8	248.2	732.6	292.6	1,030.7	38.5	201.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	49.2	339.4	35.8	75.9	224.0	615.1	266.0	866.5	29.2	186.7	(NA)	(NA)
1963 Census....	1,038	347	47.0	312.8	34.6	72.0	208.1	559.3	234.5	787.3	22.8	171.1	83	84
1962 ASM[1].....	(NA)	(NA)	48.7	316.1	35.7	75.1	205.4	570.1	244.6	809.3	22.2	168.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	45.0	273.9	32.3	66.3	172.4	474.1	195.5	667.1	17.7	158.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	46.7	283.6	34.0	71.5	182.7	495.6	179.2	682.1	18.0	160.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	45.1	266.9	33.3	68.3	174.8	458.3	182.4	634.5	15.4	155.7	(NA)	(NA)
1958 Census[2]...	905	297	41.5	226.9	29.3	56.3	143.7	348.6	143.1	511.5	15.3	147.1	85	85
INDUSTRY 3548.--METALWORKING MACHINERY, N.E.C.														
1967 Census....	430	186	46.7	338.0	34.0	69.4	218.8	693.4	478.6	1,158.1	44.8	332.6	86	88
1966 ASM[1].....	(NA)	(NA)	46.0	339.4	34.3	72.6	227.8	685.0	486.8	1,148.0	49.4	314.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	43.3	305.8	31.9	66.2	201.4	620.2	428.0	1,010.1	31.3	287.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	41.4	284.9	30.5	64.2	190.0	575.7	371.2	924.2	25.2	240.2	(NA)	(NA)
1963 Census....	435	168	38.0	246.2	28.3	57.1	161.8	468.4	328.4	796.3	21.0	216.4	85	88
1962 ASM[1].....	(NA)	(NA)	36.0	223.7	26.3	52.5	145.8	429.3	271.0	680.7	11.1	187.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	34.9	209.8	25.0	49.0	134.8	368.4	267.6	661.7	14.2	159.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	36.2	215.8	26.1	52.4	141.5	409.7	267.2	656.6	18.4	180.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	34.8	197.7	25.0	49.6	127.1	362.1	239.3	610.9	11.1	153.4	(NA)	(NA)
1958 Census[2]...	362	143	33.3	183.3	24.4	46.9	120.4	332.4	241.2	602.0	16.6	157.5	91	85

Note: In 1967, 1963, and 1958, the number of companies in industry 3541 was 865, 784, and 611, respectively; in industry 3542: 344, 362, and 279; industry 3544: 6,532, 5.850, and 5,715; industry 3545: 1,073, 983, and 865; industry 3548: 409, 420, and 349. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume. The percentage standard errors of the 1966/1965 relatives for employment and value added were as follows: 3541--2 and 1 percent, respectively; 3542--6 and 3 percent, respectively; 3544--4 and 1 percent, respectively; 3545--1 and 1 percent, respectively; and 3548--4 and 2 percent, respectively.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3541--MACHINE TOOLS, METAL-CUTTING TYPES								
1967 Census	8,718	69	2,180	3.62	.36	.72	15,962	55	10.55
1966 ASM	8,442	69	2,240	3.45	.37	.74	15,472	55	9.97
1965 ASM	7,977	69	2,218	3.27	.37	.74	14,028	57	9.19
1964 ASM	7,648	68	2,188	3.15	.37	.76	12,850	60	8.59
1963 Census	7,177	67	2,109	3.15	.36	.77	11,454	63	8.09
1962 ASM	6,827	67	2 069	2.89	.34	.75	11,401	60	8.26
1961 ASM	6,429	66	1,999	2.77	.34	.77	10,020	64	7.57
1960 ASM	6,310	67	2,049	2.77	.35	.77	9,837	64	7.15
1959 ASM	6,241	67	2,036	2.80	.35	.78	9,573	65	7.00
1958 Census	5,681	68	1,926	2.62	.32	.76	7,963	71	6.05
	INDUSTRY 3542--MACHINE TOOLS, METAL-FORMING TYPES								
1967 Census	8,534	72	2,206	3.57	.41	.76	14,948	57	9.47
1966 ASM	8,622	74	2,268	3.46	.43	.77	15,212	57	9.11
1965 ASM	8,052	73	2,241	3.35	.44	.79	13,677	59	8.41
1964 ASM	7,837	73	2,264	3.21	.39	.75	13,847	57	8.41
1963 Census	7,323	71	2,194	3.10	.37	.74	12,741	57	8.12
1962 ASM	7,351	79	2,012	2.96	.40	.79	11,363	65	7.18
1961 ASM	6,818	79	1,905	2.91	.42	.81	9,552	71	6.37
1960 ASM	6,785	80	1,996	2.82	.41	.80	10,596	64	6.63
1959 ASM	6,575	80	1,957	2.70	.39	.80	10,407	63	6.62
1958 Census	5,882	69	1,985	2.66	.41	.83	7,822	75	5.70
	INDUSTRY 3544--SPECIAL DIES, TOOLS, JIGS AND FIXTURES								
1967 Census	9,094	84	2,242	3.74	.26	.73	14,500	63	7.69
1966 ASM	8,546	84	2,299	3.42	.27	.73	13,834	62	7.18
1965 ASM	8,123	83	2,319	3.27	.28	.76	12,371	66	6.41
1964 ASM	7,908	84	2,276	3.25	.26	.73	12,583	63	6.59
1963 Census	7 514	84	2,228	3.21	.27	.76	11,329	66	6.08
1962 ASM	6,983	83	2,197	2.99	.26	.74	10,937	64	5.98
1961 ASM	6,697	82	2,105	2.94	.26	.76	9,974	67	5.77
1960 ASM	6,844	82	2,125	3.01	.26	.75	10,366	66	5.92
1959 ASM	6,684	83	2,131	2.94	.25	.74	10,420	64	5.89
1958 Census	6,441	83	2,030	2.97	.26	.77	9,364	69	5.58
	INDUSTRY 3545--MACHINE TOOL ACCESSORIES								
1967 Census	7,943	75	2,132	3.36	.32	.68	15,293	52	9.58
1966 ASM	7,689	73	2,231	3.14	.30	.64	15,809	49	9.68
1965 ASM	7,241	73	2,156	3.03	.28	.65	14,122	51	8.95
1964 ASM	6,895	73	2,121	2.95	.31	.70	12,495	55	8.10
1963 Census	6,656	74	2,084	2.89	.30	.70	11,901	56	7.76
1962 ASM	6,487	73	2,105	2.73	.30	.69	11,698	55	7.59
1961 ASM	6,089	72	2,055	2.60	.29	.70	10,539	58	7.15
1960 ASM	6,070	73	2,106	2.55	.26	.68	10,604	57	6.93
1959 ASM	5,918	74	2,051	2.56	.29	.71	10,160	58	6.71
1958 Census	5,466	71	1,921	2.55	.28	.72	8,395	65	6.19
	INDUSTRY 3548--METALWORKING MACHINERY, N.E.C.								
1967 Census	7,234	73	2,042	3.15	.41	.71	14,841	49	10.00
1966 ASM	7,379	75	2,116	3.14	.42	.72	14,892	50	9.44
1965 ASM	7,064	74	2,079	3.04	.42	.73	14,325	49	9.36
1964 ASM	6,874	74	2,103	2.96	.40	.71	13,892	49	8.96
1963 Census	6,478	74	2,021	2.83	.41	.72	12,323	53	8.20
1962 ASM	6,206	73	1,994	2.78	.40	.73	11,912	52	8.18
1961 ASM	6,016	72	1,961	2.75	.40	.72	10,565	57	7.52
1960 ASM	5,962	72	2,010	2.70	.41	.74	11,317	53	7.81
1959 ASM	5,678	72	1,982	2.56	.39	.72	10,401	55	7.31
1958 Census	5,500	73	1,924	2.57	.40	.71	9,974	55	7.09

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3541-- MACHINE TOOLS, METAL-CUTTING TYPES													
UNITED STATES	903	338	87.2	759.9	60.5	131.8	476.5	1 391.3	766.9	2 127.2	78.7	61.1	699.3
NORTHEAST REGION	283	95	31.0	258.8	22.7	50.7	175.1	473.2	220.1	681.2	25.4	22.0	249.0
NEW ENGLAND DIVISION	120	51	22.9	190.4	16.6	37.2	128.3	328.7	171.6	492.4	16.4	14.9	159.5
NEW HAMPSHIRE	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VERMONT	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	38.0
MASSACHUSETTS	41	15	4.5	35.4	2.8	5.9	19.8	66.9	24.5	90.3	2.6	[2/3](D)	[2/3](D)
RHODE ISLAND	10	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2/3](D)	[2/3](D)
CONNECTICUT	61	27	10.2	88.6	8.1	18.6	65.6	151.1	84.0	232.2	7.3	4.3	52.6
MIDDLE ATLANTIC DIVISION	163	44	8.1	68.4	6.1	13.6	46.9	144.5	48.5	188.8	9.0	7.1	89.4
NEW YORK	72	21	5.6	47.7	4.2	9.4	33.2	105.7	31.0	132.8	6.4	5.0	66.6
NEW JERSEY	49	12	.7	5.7	.5	1.2	3.9	11.3	4.4	14.9	.8	.5	5.6
PENNSYLVANIA	42	11	1.8	15.0	1.3	3.0	9.7	27.5	13.1	41.1	1.8	1.5	17.2
NORTH CENTRAL REGION	454	201	51.5	464.1	34.4	74.1	278.5	848.8	506.7	1 338.9	48.6	37.4	429.4
EAST NORTH CENTRAL DIVISION	428	191	49.9	450.5	33.2	71.6	269.5	823.9	495.4	1 302.9	45.3	36.8	424.5
OHIO	110	51	20.9	180.4	12.9	27.3	100.4	331.6	180.3	506.0	15.7	15.3	178.5
INDIANA	20	5	1.1	8.5	.8	1.7	6.1	14.1	8.7	23.1	1.1	1.6	19.6
ILLINOIS	107	46	9.1	80.9	6.2	14.1	48.7	134.4	91.3	229.9	8.5	6.7	71.9
MICHIGAN	159	67	11.4	120.0	8.2	18.6	76.9	221.8	152.3	368.6	10.7	8.0	102.3
WISCONSIN	32	22	7.3	60.7	5.1	9.9	37.5	122.0	62.9	175.3	9.2	5.2	52.1
WEST NORTH CENTRAL DIVISION	26	10	1.6	13.6	1.2	2.5	9.1	25.0	11.3	35.9	3.4	.5	4.9
MINNESOTA	13	5	.9	7.6	.7	1.4	5.1	13.9	5.2	19.0	(D)	.2	1.5
MISSOURI	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2/3](D)	[2/3](D)
SOUTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	37	15	2.2	16.3	1.6	3.2	10.0	31.2	12.2	40.9	2.2	.5	5.9
SOUTH ATLANTIC DIVISION	13	3	.3	1.9	.2	.5	1.3	3.0	1.0	4.0	.6	(D)	(D)
FLORIDA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	5	.6	3.7	.4	.8	2.3	6.4	4.2	10.8	.4	(D)	(D)
KENTUCKY	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2/3](D)	[2/3](D)
TENNESSEE	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	18	7	1.4	10.7	1.0	1.9	6.5	21.8	7.0	26.2	1.2	(D)	(D)
TEXAS	16	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.8
WEST REGION	129	27	2.5	20.7	1.8	3.7	12.8	38.1	27.8	66.2	2.4	1.2	15.0
PACIFIC DIVISION	119	25	2.4	19.9	1.7	3.5	12.2	36.8	27.2	64.2	2.3	1.2	14.6
CALIFORNIA	110	23	2.2	18.9	1.6	3.3	11.5	34.8	26.2	61.1	2.2	1.1	14.2
3542-- MACHINE TOOLS, METAL-FORMING TYPES													
UNITED STATES	350	168	29.2	249.6	20.9	46.2	165.0	437.2	295.4	714.0	26.2	22.1	281.3
NORTHEAST REGION	105	44	7.7	63.0	5.2	11.1	37.6	106.6	68.2	167.3	6.6	6.6	81.8
NEW ENGLAND DIVISION	29	17	2.4	21.2	1.6	3.6	11.8	36.5	23.1	57.6	2.1	2.1	23.3
MASSACHUSETTS	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.0
CONNECTICUT	20	12	2.1	19.2	1.3	3.1	10.3	33.3	21.3	52.7	2.0	1.8	21.3
MIDDLE ATLANTIC DIVISION	76	27	5.3	41.8	3.7	7.4	25.8	70.1	45.2	109.6	4.5	4.5	58.6
NEW YORK	32	11	3.2	25.1	2.2	4.3	15.3	39.2	28.1	62.9	3.0	2.5	33.1
NEW JERSEY	23	8	.4	3.3	.3	.6	2.2	4.9	3.6	8.2	.3	.5	5.0
PENNSYLVANIA	21	8	1.6	13.4	1.2	2.5	8.3	26.0	13.5	38.5	1.3	1.6	20.5
NORTH CENTRAL REGION	170	91	18.6	163.6	13.5	30.6	111.5	289.2	201.7	482.0	17.4	13.1	172.5
EAST NORTH CENTRAL DIVISION	150	79	17.6	157.5	12.8	29.0	107.1	276.2	193.6	460.9	16.6	12.6	166.6
OHIO	38	26	7.3	61.5	5.1	11.7	39.8	121.5	79.0	194.9	6.4	3.4	51.6
INDIANA	9	5	.4	3.6	.3	.7	2.5	6.5	4.3	10.5	(D)	.3	3.9
ILLINOIS	43	26	7.4	69.3	5.5	12.5	49.5	106.2	87.2	191.0	8.2	6.3	78.0
MICHIGAN	53	18	2.4	21.1	1.7	3.8	14.2	38.9	21.8	60.1	1.7	2.3	31.6
WISCONSIN	7	4	.2	1.9	.2	.3	1.1	3.1	1.4	4.4	(D)	.2	1.5
WEST NORTH CENTRAL DIVISION	20	12	1.0	6.2	.8	1.7	4.5	13.0	8.1	21.1	.7	.5	5.8
MINNESOTA	9	6	.6	3.7	.4	1.0	2.6	8.4	5.6	14.1	.6	.3	3.1
MISSOURI	7	3	.2	1.3	.2	.4	1.0	2.5	1.0	3.4	(D)	.3	2.8
SOUTH REGION	24	14	1.0	6.9	.8	1.7	4.8	12.7	8.9	21.5	.8	.6	6.6
SOUTH ATLANTIC DIVISION	13	8	.8	5.5	.6	1.3	3.8	10.1	6.9	17.0	.6	(D)	(D)
NORTH CAROLINA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2/3](D)	[2/3](D)
GEORGIA	4	3	.4	2.4	.3	.6	1.5	3.7	3.9	7.7	.3	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	8	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	7	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	51	19	1.9	16.0	1.4	2.8	11.2	28.7	16.5	43.3	1.4	1.8	20.3
PACIFIC DIVISION	47	19	1.9	16.0	1.4	2.7	11.1	28.6	16.5	43.1	(D)	(D)	(D)
WASHINGTON	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	43	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3544-- SPEC. DIES, TOOLS, JIGS, FIXTURES													
UNITED STATES	6 615	1 531	113.6	1 032.8	95.5	214.2	800.0	1 646.7	577.6	2 202.3	114.7	90.9	1 029.3
NORTHEAST REGION	2 053	405	27.0	218.3	22.9	49.7	166.0	357.8	123.0	476.3	27.0	23.1	227.9
NEW ENGLAND DIVISION	713	154	8.9	72.3	7.6	16.5	54.7	118.7	40.7	158.0	8.7	7.8	74.7
NEW HAMPSHIRE	20	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	279	69	4.0	31.7	3.4	7.4	24.2	50.8	18.5	68.7	3.1	3.5	33.2
RHODE ISLAND	50	5	.4	2.5	.3	.6	1.8	3.9	1.4	5.2	.2	.4	3.0
CONNECTICUT	350	72	4.2	35.5	3.5	7.8	26.6	59.7	19.9	79.0	5.0	3.7	36.6
MIDDLE ATLANTIC DIVISION	1 340	251	18.1	146.1	15.3	33.2	111.3	239.2	82.4	318.3	18.3	15.4	153.2
NEW YORK	570	97	6.6	52.1	5.6	11.7	39.3	83.7	26.8	110.0	3.9	5.9	59.5
NEW JERSEY	408	80	5.9	48.6	5.0	11.1	37.6	79.0	29.3	107.5	5.5	4.8	49.4
PENNSYLVANIA	362	74	5.7	45.3	4.7	10.4	34.4	76.5	26.3	100.9	8.9	4.7	44.3
NORTH CENTRAL REGION	3 554	940	73.8	709.0	61.9	140.7	553.3	1 105.4	386.8	1 476.9	74.1	58.0	693.4
EAST NORTH CENTRAL DIVISION	3 258	878	69.5	673.3	58.3	132.7	525.6	1 045.6	363.6	1 394.6	69.7	54.9	663.1
OHIO	725	212	15.9	146.3	13.3	30.9	113.3	231.2	75.8	303.6	16.8	12.6	144.2
INDIANA	346	92	6.7	59.4	5.5	12.3	45.0	89.1	32.4	120.1	6.1	5.3	54.8
ILLINOIS	710	133	10.6	95.8	8.9	19.6	73.6	158.0	54.3	209.2	11.8	7.7	91.9
MICHIGAN	1 256	400	32.3	334.8	27.2	62.4	264.6	518.3	185.4	697.3	32.6	25.7	338.6
WISCONSIN	221	41	4.0	37.0	3.4	7.4	29.1	49.0	15.7	64.2	2.5	3.6	33.7
WEST NORTH CENTRAL DIVISION	296	62	4.3	35.7	3.7	8.1	27.7	59.8	23.3	82.3	4.4	3.1	30.3
MINNESOTA	84	19	1.2	10.3	1.0	2.2	7.9	17.3	8.7	25.5	1.7	.8	7.3
IOWA	44	9	.8	7.4	.7	1.6	6.0	11.5	3.4	14.7	.8	.6	5.7
MISSOURI	133	29	1.9	15.3	1.7	3.6	11.7	24.9	9.8	34.5	1.5	1.6	15.7
KANSAS	24	4	.3	1.9	.2	.5	1.6	4.9	.9	5.9	.3	.2	1.1
SOUTH REGION	417	88	5.6	39.9	4.8	10.3	30.4	70.1	26.1	95.6	6.3	3.5	31.5
SOUTH ATLANTIC DIVISION	205	45	2.9	20.4	2.5	5.2	15.5	32.4	12.6	44.8	2.7	1.7	16.0
MARYLAND	27	2	.3	2.0	.3	.6	1.5	3.2	2.0	5.2	.3	.1	1.7
VIRGINIA	12	4	.2	1.8	.2	.4	1.2	2.8	.6	3.4	(D)	[2](D)	[2](D)
NORTH CAROLINA	32	8	.6	3.6	.5	.9	2.8	4.9	2.1	7.0	.6	.2	1.5
SOUTH CAROLINA	19	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	34	9	.5	3.9	.4	1.0	3.1	6.0	2.0	7.8	.5	.4	4.2
FLORIDA	72	18	1.0	7.2	.8	1.9	5.4	12.4	4.3	16.5	1.0	.7	6.4
EAST SOUTH CENTRAL DIVISION	105	26	1.7	11.7	1.4	3.1	8.9	23.0	6.4	29.1	2.4	1.0	8.2
KENTUCKY	32	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.6
TENNESSEE	57	16	1.0	6.8	.9	1.8	5.1	14.5	4.0	18.5	1.4	.5	4.1
ALABAMA	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	107	17	1.1	7.7	.9	2.0	5.9	14.6	7.2	21.7	1.2	.8	7.3
ARKANSAS	19	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.7
TEXAS	73	10	.8	5.8	.7	1.4	4.4	11.2	5.1	16.2	.8	.6	4.7
WEST REGION	591	98	7.2	65.5	5.9	13.4	50.3	113.4	41.6	153.6	7.3	6.2	76.5
MOUNTAIN DIVISION	46	10	.5	4.0	.5	1.0	3.2	6.5	1.7	8.2	.7	.4	4.8
ARIZONA	21	6	.3	2.5	.3	.6	2.1	4.0	1.0	5.0	.3	.2	1.8
PACIFIC DIVISION	545	88	6.6	61.4	5.5	12.4	47.2	106.9	39.9	145.3	6.6	5.8	71.8
CALIFORNIA	513	88	6.5	60.2	5.3	12.1	46.1	104.7	38.9	142.1	6.3	5.7	70.8
3545-- MACHINE TOOL ACCESSORIES													
UNITED STATES	1 141	429	60.3	479.3	45.2	96.4	324.2	922.8	416.3	1 309.9	55.0	47.0	559.3
NORTHEAST REGION	367	129	21.2	154.1	15.6	32.4	103.3	297.8	153.2	440.2	19.0	18.5	193.0
NEW ENGLAND DIVISION	190	68	13.2	97.4	9.8	20.6	66.2	189.4	65.9	251.0	10.3	12.9	135.6
NEW HAMPSHIRE	9	6	.4	2.7	.3	.6	1.5	4.5	2.4	6.7	.4	[2](D)	[2](D)
VERMONT	6	4	1.0	6.8	.7	1.5	4.8	11.9	9.2	21.6	.8	.7	9.0
MASSACHUSETTS	66	28	7.5	56.1	5.6	12.1	40.5	110.3	34.2	141.3	5.5	6.3	63.1
RHODE ISLAND[6]	21	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	87	23	3.0	22.2	2.2	4.4	14.0	45.2	15.0	58.9	2.2	4.6	49.8
MIDDLE ATLANTIC DIVISION	177	61	8.0	56.7	5.8	11.9	37.0	108.3	87.2	189.1	8.8	5.7	57.4
NEW YORK	82	28	2.1	15.4	1.6	3.3	10.3	27.4	12.1	39.1	1.8	1.7	15.9
NEW JERSEY	49	13	1.3	9.9	.9	1.8	6.0	20.7	20.3	38.4	2.1	.6	6.3
PENNSYLVANIA	46	20	4.6	31.4	3.3	6.7	20.7	60.2	54.9	111.7	4.9	3.3	35.3
NORTH CENTRAL REGION	596	254	34.9	295.7	26.2	56.9	199.5	565.4	232.1	782.4	30.7	25.9	337.0
EAST NORTH CENTRAL DIVISION	573	247	33.3	284.5	25.0	54.3	192.0	542.2	224.7	753.5	29.1	24.8	325.5
OHIO	108	53	8.6	71.2	6.5	14.4	49.2	140.1	47.9	188.3	7.1	6.4	82.9
INDIANA	29	10	.8	5.6	.6	1.2	3.9	10.2	3.5	13.5	(D)	.6	6.6
ILLINOIS	93	39	6.4	49.9	4.7	10.0	31.9	85.4	51.8	135.2	4.6	5.0	61.3
MICHIGAN	313	133	16.8	152.5	12.6	27.6	103.6	294.4	116.3	399.5	16.4	12.3	169.7
WISCONSIN	30	12	.7	5.4	.5	1.1	3.5	12.0	5.2	17.0	(D)	.4	5.1
WEST NORTH CENTRAL DIVISION	23	7	1.6	11.2	1.3	2.6	7.5	23.2	7.4	28.9	1.6	1.1	11.4
MINNESOTA	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	7	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3545-- MACHINE TOOL ACCESSORIES--CON.													
SOUTH REGION	58	20	2.3	12.6	1.9	3.9	9.5	27.0	16.1	40.3	3.2	1.3	12.5
SOUTH ATLANTIC DIVISION	25	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.6
NORTH CAROLINA	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	3	3	.2	1.2	.2	.4	.9	3.5	1.5	4.4	.3	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	14	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	4.5
KENTUCKY	4	3	.3	2.0	.3	.6	1.6	5.9	2.8	8.5	(D)	[2](D)	[2](D)
TENNESSEE	4	3	BB	(D)	.4	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	19	4	.8	4.5	.7	1.5	3.1	7.3	5.9	11.8	.7	.3	4.4
ARKANSAS	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	120	26	2.0	16.9	1.5	3.1	11.9	32.7	15.0	47.0	2.0	1.4	16.8
PACIFIC DIVISION	116	26	2.0	16.8	1.5	3.0	11.8	32.4	14.8	46.6	(D)	1.3	16.5
CALIFORNIA	110	26	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	16.4
3548-- METALWORKING MACHINERY, NEC													
UNITED STATES	430	186	46.7	338.0	34.0	69.4	218.8	693.4	478.6	1 158.1	44.8	38.0	468.4
NORTHEAST REGION	129	65	19.2	142.9	13.7	28.0	93.5	298.6	185.5	484.6	15.0	14.3	174.2
NEW ENGLAND DIVISION	42	20	4.2	30.4	2.6	5.3	16.2	63.7	33.4	99.1	3.9	2.8	32.9
MASSACHUSETTS	15	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
RHODE ISLAND	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	18	9	1.0	7.7	.7	1.4	4.4	15.2	11.3	26.7	.6	1.3	17.3
MIDDLE ATLANTIC DIVISION	87	45	14.9	112.5	11.1	22.7	77.3	234.9	152.1	385.5	11.1	11.5	141.3
NEW YORK	30	10	3.5	24.3	2.5	4.8	15.6	59.8	28.2	87.0	1.4	2.5	37.7
NEW JERSEY	17	9	2.2	16.9	1.5	3.3	10.8	30.9	23.3	54.7	.8	1.7	17.4
PENNSYLVANIA	40	26	9.3	71.3	7.1	14.6	50.9	144.2	100.6	243.7	8.8	7.3	86.2
NORTH CENTRAL REGION	193	90	19.5	147.1	14.0	29.0	91.3	283.1	225.7	501.5	21.6	17.1	212.8
EAST NORTH CENTRAL DIVISION	158	76	17.3	130.9	12.5	25.9	82.3	249.9	205.4	449.4	19.2	15.1	190.1
OHIO	51	28	8.9	72.7	6.5	13.7	47.9	131.4	125.1	257.8	10.4	7.8	96.2
INDIANA	12	3	.2	2.0	.2	.4	1.4	4.0	3.8	7.8	.4	.1	2.5
ILLINOIS	42	22	5.4	35.1	3.9	7.9	21.0	71.9	51.0	117.1	5.9	4.7	57.8
MICHIGAN	41	16	1.5	10.5	1.1	2.2	6.8	22.8	11.7	33.4	1.0	1.4	19.0
WISCONSIN	12	7	1.3	10.6	.8	1.6	5.2	19.8	13.8	33.3	1.6	1.1	14.5
WEST NORTH CENTRAL DIVISION	35	14	2.3	16.2	1.5	3.2	9.0	33.2	20.3	52.1	2.4	2.0	22.8
MINNESOTA	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	11	5	1.2	9.1	.7	1.5	4.9	17.9	8.1	25.0	1.3	1.1	11.9
MISSOURI	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.6
SOUTH REGION	42	14	6.6	37.8	5.3	10.3	27.4	87.9	56.5	139.5	5.5	5.4	67.5
SOUTH ATLANTIC DIVISION	24	10	5.9	33.5	4.7	9.1	24.7	76.4	49.5	121.3	5.1	(D)	(D)
MARYLAND	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	12	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	10	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	8.1
WEST REGION	66	17	1.4	10.2	1.0	2.0	6.6	23.9	10.9	32.6	2.7	1.1	14.0
PACIFIC DIVISION	59	15	1.3	9.7	1.0	1.9	6.3	22.9	10.2	30.9	2.6	(D)	(D)
CALIFORNIA	54	13	1.2	9.0	.9	1.8	5.7	21.6	9.0	28.4	2.6	[2](D)	[2](D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Machine tools, metal-cutting types (SIC 3541)	Machine tools, metal-forming types (SIC 3542)	Special dies, tools, jigs, and fixtures (SIC 3544)	Machine tool accessories (SIC 3545)	Metalworking machinery, n.e.c. (SIC 3548)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.86	.85	.94	.85	.86
COVERAGE RATIO[2]	.90	.84	.74	.85	.88
ESTABLISHMENTS, TOTAL .NUMBER	903	350	6 615	1 141	430
WITH 1 TO 19 EMPLOYEES .DO	565	182	5 084	712	244
WITH 20 TO 99 EMPLOYEES .DO	219	110	1 386	300	103
WITH 100 EMPLOYEES OR MORE .DO	119	58	145	129	83
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	87.2	29.2	113.6	60.3	46.7
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	759.9	249.6	1 032.8	479.3	338.0
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	60.5	20.9	95.5	45.2	34.0
MARCH .DO	60.8	21.4	96.9	46.0	35.2
MAY .DO	60.6	21.1	97.3	45.5	34.2
AUGUST .DO	60.7	20.5	93.3	45.1	33.2
NOVEMBER .DO	59.7	20.7	94.7	44.3	33.2
MAN-HOURS .MILLIONS	131.8	46.2	214.2	96.4	69.4
JANUARY-MARCH .DO	34.5	12.1	55.5	25.1	18.6
APRIL-JUNE .DO	34.1	11.9	55.5	24.6	17.5
JULY-SEPTEMBER .DO	31.2	10.7	51.1	22.9	16.3
OCTOBER-DECEMBER .DO	32.1	11.5	52.0	23.8	16.9
WAGES MILLION DOLLARS	476.5	165.0	800.0	324.2	218.8
COST OF MATERIALS, ETC., TOTAL .DO	766.9	295.4	577.6	416.3	478.6
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	657.3	256.6	433.4	333.0	401.3
COST OF RESALES .DO	44.1	15.7	24.6	44.7	56.9
FUELS CONSUMED .DO	4.8	1.7	6.6	3.5	3.7
PURCHASED ELECTRIC ENERGY .DO	9.6	3.1	14.6	8.3	5.1
CONTRACT WORK .DO	51.0	18.3	98.4	26.8	11.6
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	2 127.2	714.0	2 202.3	1 309.9	1 158.1
VALUE OF RESALES .DO	60.1	19.4	30.7	64.5	70.7
VALUE ADDED BY MANUFACTURE .DO	1 391.3	437.2	1 646.7	922.8	693.4
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL .DO	501.6	187.8	187.0	235.2	313.1
FINISHED PRODUCTS .DO	101.0	42.4	22.9	80.4	84.7
WORK IN PROCESS .DO	309.6	98.4	123.1	104.3	156.3
MATERIALS, SUPPLIES, FUEL, ETC. .DO	91.0	47.0	41.0	50.5	72.1
END OF YEAR, TOTAL .DO	535.3	207.8	214.2	273.7	332.6
FINISHED PRODUCTS .DO	112.1	46.8	27.9	98.9	94.9
WORK IN PROCESS .DO	329.5	112.5	140.2	115.0	160.0
MATERIALS, SUPPLIES, FUEL, ETC. .DO	93.7	48.5	46.2	59.8	77.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	83.1	28.0	127.9	58.6	46.9
NEW PLANT AND EQUIPMENT, TOTAL .DO	78.7	26.2	114.7	55.0	44.8
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	19.3	5.7	21.3	12.9	9.7
NEW MACHINERY AND EQUIPMENT .DO	59.3	20.5	93.4	42.1	35.1
USED PLANT AND EQUIPMENT .DO	4.3	1.8	13.2	3.6	2.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding in computer operations. See Appendix, "Explanation of Terms."

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3541-- MACHINE TOOLS, METAL-CUTTING TYPES											
ESTABLISHMENTS, TOTAL	903	87.2	759.9	60.5	131.8	476.5	1 391.3	766.9	2 127.2	78.7	535.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	256	.4	3.3	.4	.7	2.5	7.9	3.7	11.6	[2]1.5	1.9
5 TO 9 EMPLOYEES	142	1.0	8.0	.8	1.6	5.8	16.0	7.0	22.8	1.0	1.8
10 TO 19 EMPLOYEES	167	2.3	18.9	1.8	3.9	13.4	45.9	17.7	63.2	2.2	5.0
20 TO 49 EMPLOYEES	145	4.3	35.1	3.4	7.5	24.8	58.4	30.4	87.1	4.3	11.7
50 TO 99 EMPLOYEES	74	5.2	46.3	4.0	8.8	32.1	83.2	44.1	127.1	5.0	20.1
100 TO 249 EMPLOYEES	49	8.1	67.4	5.9	13.0	43.2	126.3	87.8	212.4	7.4	45.7
250 TO 499 EMPLOYEES	30	10.6	102.1	7.4	17.2	66.0	177.4	154.6	338.6	13.1	78.5
500 TO 999 EMPLOYEES	20	13.9	114.6	9.5	20.8	74.7	249.2	111.6	351.6	10.3	92.5
1,000 TO 2,499 EMPLOYEES	17	28.9	253.2	19.8	43.2	157.5	448.9	226.9	653.2	26.9	213.6
2,500 EMPLOYEES OR MORE	3	12.4	111.1	7.4	15.2	56.4	178.1	83.1	259.7	7.0	64.6
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	245	.5	3.5	.5	.8	2.6	8.0	4.2	12.2	.2	2.3
3542-- MACHINE TOOLS, METAL-FORMING TYPES											
ESTABLISHMENTS, TOTAL	350	29.2	249.6	20.9	46.2	165.0	437.2	295.4	714.0	26.2	207.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	80	.1	1.1	.1	.2	.7	2.6	1.9	4.5	[2].1	1.0
5 TO 9 EMPLOYEES[e]	47	.3	2.6	.3	.5	1.7	4.2	2.0	6.1	.2	1.0
10 TO 19 EMPLOYEES	55	.8	5.5	.6	1.2	4.0	9.4	5.6	14.9	.5	2.0
20 TO 49 EMPLOYEES	73	2.2	17.7	1.7	3.7	11.9	32.1	19.2	49.6	1.8	8.3
50 TO 99 EMPLOYEES	37	2.5	19.5	1.9	4.0	13.2	37.0	22.5	56.7	2.7	14.0
100 TO 249 EMPLOYEES	30	4.6	37.1	3.3	7.1	23.5	76.4	44.4	117.6	5.5	29.2
250 TO 499 EMPLOYEES	13	4.5	40.4	3.2	6.9	26.8	64.9	46.0	107.1	3.2	42.5
500 TO 999 EMPLOYEES	10	7.5	65.8	4.9	11.3	39.4	121.7	76.1	190.0	6.8	66.9
1,000 TO 2,499 EMPLOYEES	5	6.6	60.0	4.9	11.2	43.7	89.0	77.7	167.5	5.5	43.1
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	85	.2	1.5	.2	.3	1.0	3.1	1.8	4.9	.1	1.3
3544-- SPEC. DIES, TOOLS, JIGS, FIXTURES											
ESTABLISHMENTS, TOTAL	6 615	113.6	1 032.8	95.5	214.2	800.0	1 646.7	577.6	2 202.3	114.7	214.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	2 630	4.5	35.7	4.4	8.2	27.8	80.7	29.0	109.3	[2]2.8	7.7
5 TO 9 EMPLOYEES	1 139	7.9	68.4	6.9	15.1	53.9	115.0	36.0	150.2	7.6	8.5
10 TO 19 EMPLOYEES	1 315	18.3	155.2	15.3	33.7	121.0	249.1	77.0	323.3	17.7	21.1
20 TO 49 EMPLOYEES	1 099	32.7	293.9	27.4	61.7	224.4	464.8	161.1	620.5	35.0	46.7
50 TO 99 EMPLOYEES	287	19.1	181.5	16.1	37.4	139.1	287.1	105.8	389.3	20.7	37.0
100 TO 249 EMPLOYEES	121	17.6	165.4	14.6	33.5	126.6	265.8	106.7	367.7	20.2	55.6
250 TO 499 EMPLOYEES	14	4.8	43.7	3.9	8.9	33.8	70.3	27.0	95.6	3.9	23.6
500 TO 999 EMPLOYEES	7	4.6	43.2	3.6	7.8	33.2	53.7	22.6	74.3	4.1	11.6
1,000 TO 2,499 EMPLOYEES	3	4.1	45.8	3.4	7.9	40.2	60.2	12.3	72.1	2.8	2.4
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	2 354	4.6	35.6	4.6	8.3	27.4	79.5	30.0	109.1	1.5	7.8
3545-- MACHINE TOOL ACCESSORIES											
ESTABLISHMENTS, TOTAL	1 141	60.3	479.3	45.2	96.4	324.2	922.8	416.3	1 309.9	55.0	273.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	358	.7	4.7	.7	1.0	3.2	10.2	6.7	16.9	[2].3	5.0
5 TO 9 EMPLOYEES[e]	153	1.0	8.4	.9	1.7	5.8	15.5	7.1	22.5	1.1	3.4
10 TO 19 EMPLOYEES	201	2.8	21.6	2.1	4.6	15.4	41.1	15.9	55.7	2.6	6.5
20 TO 49 EMPLOYEES	208	6.3	51.0	5.0	10.7	35.5	93.8	43.6	135.6	6.0	18.0
50 TO 99 EMPLOYEES	92	6.2	51.2	4.8	10.3	35.8	97.3	45.0	140.7	5.0	19.7
100 TO 249 EMPLOYEES	72	11.4	83.5	8.5	18.1	55.4	155.0	67.6	217.2	9.0	44.7
250 TO 499 EMPLOYEES	38	12.9	100.7	9.5	20.1	67.2	191.4	90.8	274.0	10.8	68.2
500 TO 999 EMPLOYEES	11	7.4	55.8	5.3	11.4	36.7	103.9	48.7	148.3	5.6	40.3
1,000 TO 2,499 EMPLOYEES	8	11.7	102.4	8.4	18.5	69.3	214.7	90.9	299.0	14.6	67.9
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	366	.8	5.8	.8	1.2	3.9	11.8	7.8	19.6	.4	6.1
3548-- METALWORKING MACHINERY, NEC											
ESTABLISHMENTS, TOTAL	430	46.7	338.0	34.0	69.4	218.8	693.4	478.6	1 158.1	44.8	332.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	142	.2	1.6	.2	.3	1.1	4.4	2.9	7.3	[2].2	2.0
5 TO 9 EMPLOYEES[e]	39	.3	1.9	.2	.4	1.2	3.5	2.4	5.9	.2	1.3
10 TO 19 EMPLOYEES	63	.9	6.4	.6	1.2	3.9	12.0	9.4	21.4	.7	3.3
20 TO 49 EMPLOYEES	58	1.8	14.1	1.4	2.9	9.3	28.3	18.8	45.8	2.0	8.8
50 TO 99 EMPLOYEES	46	3.3	25.8	2.4	4.9	15.7	47.8	27.9	75.0	2.7	16.9
100 TO 249 EMPLOYEES	35	5.6	41.4	3.9	8.2	23.8	83.9	63.7	141.4	7.4	40.3
250 TO 499 EMPLOYEES	25	8.6	61.6	6.3	13.0	39.5	134.3	92.4	226.0	8.1	62.4
500 TO 999 EMPLOYEES	12	8.1	60.5	5.8	12.1	39.6	124.4	108.0	225.2	8.7	75.0
1,000 TO 2,499 EMPLOYEES	8	18.0	124.8	13.2	26.3	84.7	254.9	153.2	410.3	14.8	122.7
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	129	.2	1.7	.2	.4	1.1	4.4	3.1	7.4	.3	2.2

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2]Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments →			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3541	Machine tools, metal-cutting types.....1967..	2,127.2	1,715.7	269.7	141.8	86	1,907.8	1,715.7	192.3	90
	1963..	1,060.8	805.3	187.9	67.6	81	925.3	805.3	119.9	88
3542	Machine tools, metal-forming types.....1967..	714.0	568.4	99.5	46.1	85	676.6	568.4	108.1	84
	1963..	441.4	350.9	57.6	32.9	86	444.8	350.9	93.9	79
3544	Special dies, tools, jigs, and fixtures....1967..	2,202.3	1,875.3	110.6	216.4	94	2,520.2	1,875.3	644.8	74
	1963..	1,388.8	1,164.3	85.5	139.0	93	1,608.1	1,164.3	443.8	72
3545	Machine tool accessories.....1967..	1,309.9	1,035.9	176.2	97.8	85	1,222.4	1,035.9	186.6	85
	1963..	787.3	616.0	121.8	49.5	83	731.7	616.0	115.7	84
3548	Metalworking machinery, N.E.C.....1967..	1,158.1	905.4	140.7	112.0	86	1,028.0	905.4	122.5	88
	1963..	796.3	615.9	108.6	71.7	85	701.9	615.9	86.0	88

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. ^{r}Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Machine tools, metal-cutting types (SIC 3541)	Machine tools, metal-forming types (SIC 3542)	Special dies, tools, jigs, and fixtures (SIC 3544)	Machine tool accessories (SIC 3545)	Metalworking machinery, n.e.c. (SIC 3548)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	2,127.2	714.0	2,202.3	1,309.9	1,158.1	(X)
3541-	Machine tools, metal-cutting types.....	1,907.8	1,715.7	22.8	26.4	41.0	6.2	95.9
35411	Boring machines.....	127.8	115.8	(D)	9.0	0.6	-	(D)
35412	Drilling machines.....	128.5	118.3	0.2	4.0	1.3	(Z)	4.7
35413	Gear cutting and finishing machines.....	67.1	59.3	(D)	(D)	(D)	-	1.7
35414	Grinding and polishing machines.....	270.2	229.4	(D)	1.4	(D)	2.4	26.2
35415	Lathes.....	360.5	351.8	(D)	3.4	(Z)	(Z)	(D)
35416	Milling machines.....	258.2	249.5	0.7	3.9	0.1	(Z)	4.0
35418	Other machine tools, including home workshops, lab, etc.....	317.9	321.4	5.7	3.0	16.3	3.7	21.8
35419	Parts for metal-cutting type machine tools, sold separately, and rebuilt machine tools.....	241.0	204.7	1.8	1.3	9.0	-	24.1
35410	Machine tools, metal-cutting types, n.s.k.....	82.5	65.5	10.5	(D)	-	-	(D)
3542	Machine tools, metal-forming types.....	676.6	19.8	568.4	6.7	4.0	17.1	60.5
35421	Punching, shearing, bending, and forming machine.....	130.9	5.2	107.0	3.4	(D)	(D)	(D)
35422	Presses, including forging presses.....	261.3	8.2	223.1	0.7	(D)	(D)	20.7
35423	Other metal-forming machine tools, including forging machines.....	122.9	2.0	100.8	(D)	(D)	1.4	16.6
35424	Parts for metal-forming machine tools and rebuilt metal forming machinery.....	125.7	4.5	102.9	1.7	0.6	3.1	12.9
35420	Machine tools, metal-forming types, n.s.k.....	35.6	-	34.6	(D)	-	-	(D)
3544-	Special dies, tools, jigs, and fixtures.....	2,520.2	16.9	23.1	1,875.3	25.4	0.9	578.5
35441	Special dies and tools, die sets, jigs, and fixtures...	1,719.8	15.3	22.1	1,180.6	25.2	0.9	475.8
35442	Industrial molds.....	446.2	(D)	(D)	342.7	(D)	(Z)	101.0
35440	Special dies, tools, jigs, and fixtures, n.s.k.....	354.2	(D)	(D)	352.1	(D)	-	1.8

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Machine tools, metal-cutting types (SIC 3541)	Machine tools, metal-forming types (SIC 3542)	Special dies, tools, jigs, and fixtures (SIC 3544)	Machine tool accessories (SIC 3545)	Metalworking machinery, n.e.c. (SI C 3548)	Other industries
	Total shipments and miscellaneous receipts--Continued							
3545-	Machine tool accessories	1,222.4	122.6	4.3	11.7	1,035.9	3.3	44.7
35451	Small cutting tools for machine tools and metalworking machinery	770.9	53.1	0.7	4.4	689.9	2.0	20.8
35452	Precision measuring tools	130.8	(D)	(D)	1.5	97.7	(D)	9.0
35453	Other attachments and accessories for machine tools and metalworking machinery	239.5	46.7	(D)	4.8	170.1	(D)	13.9
35450	Machine tool accessories, n.s.k	81.2	(D)	-	1.0	78.2	(D)	1.0
3548-	Metalworking machinery, n.e.c	1,028.0	2.8	14.5	3.1	7.0	905.4	95.1
35481	Rolling mill machinery and equipment	330.3	0.7	11.7	1.5	2.4	277.2	36.9
35482	Power-driven handtools, including parts and attachments	436.0	0.9	2.0	0.3	2.6	414.0	16.1
35483	Welding and cutting apparatus, except electric	69.6	(D)	-	(D)	0.4	56.7	12.3
35484	Automotive maintenance equipment	58.1	(D)	-	(D)	-	42.6	15.1
35485	Other metalworking machinery	86.2	(D)	(D)	0,9	1.7	68.0	14.2
35480	Metalworking machinery, n.e.c., n.s.k	47.8	-	(D)	(D)	-	46.8	0.6
	Other product shipments by 4-digit product group							
2899	Chemical preparations, n.e.c	(X)	(over 2)	-	-	-	-	(X)
3079	Miscellaneous plastics products	(X)	(5-10)	(under 2)	2.4	(under 2)	-	(X)
3291	Abrasive products	(X)	10.2	-	-	(20-50)	-	(X)
3321	Gray iron castings	(X)	12.8	(under 2)	(under 2)	(under 2)	(over 2)	(X)
3323	Steel castings	(X)	-	-	(under 2)	-	10.1	(X)
3391	Iron and steel forgings	(X)	-	-	(over 2)	-	-	(X)
3399	Primary metal products, n.e.c	(X)	-	(under 2)	0.2	10-20	(under 2)	(X)
3423	Hand and edge tools, n.e.c	(X)	(10-20)	-	0.2	4.0	3.9	(X)
3425	Handsaws and saw blades	(X)	(over 2)	(under 2)	(under 2)	(over 2)	10.6	(X)
3432	Plumbing fittings and brass goods	(X)	-	-	-	(under 2)	(over 2)	(X)
3461	Metal stampings	(X)	(under 2)	(under 2)	14.2	(under 2)	(under 2)	(X)
3494	Valves and pipe fittings	(X)	-	3.2	-	-	(under 2)	(X)
3499	Fabricated metal products, n.e.c	(X)	(under 2)	(under 2)	(under 2)	(5-10)	-	(X)
3522	Farm machinery	(X)	(under 2)	-	(over 2)	-	11.0	(X)
3531	Construction machinery	(X)	(2-5)	(under 2)	(under 2)	(under 2)	(under 2)	(X)
3532	Mining machinery	(X)	(under 2)	(under 2)	-	10.6	(2-5)	(X)
3533	Oilfield machinery	(X)	-	-	-	(over 2)	-	(X)
3535	Conveyors and conveying equipment	(X)	1.5	-	(under 2)	(over 2)	0.4	(X)
3536	Hoists, cranes and monorails	(X)	(under 2)	-	(under 2)	-	6.1	(X)
3551	Food products machinery	(X)	(over 2)	(under 2)	(under 2)	(under 2)	(under 2)	(X)
3553	Woodworking machinery	(X)	11.2	(under 2)	(under 2)	(under 2)	0.8	(X)
3559	Special industry machinery, n.e.c	(X)	12.4	(10-20)	7.7	(under 2)	1.4	(X)
3561	Pumps and compressors	(X)	(2-5)	(under 2)	(under 2)	(under 2)	(under 2)	(X)
3562	Ball and roller bearings	(X)	(under 2)	-	-	(over 2)	-	(X)
3566	Power transmission equipment	(X)	3.1	(over 2)	(under 2)	(2-5)	(10-20)	(X)
3586	Measuring and dispensing pumps	(X)	-	-	-	-	(over 2)	(X)
3589	Service industry machines, n.e.c	(X)	-	-	-	-	(2-5)	(X)
3599	Miscellaneous machinery, except electrical	(X)	2.6	(under 2)	6.9	(under 2)	(2-5)	(X)
3621	Motors and generators	(X)	(under 2)	-	-	(under 2)	3.8	(X)
3622	Industrial controls	(X)	(over 2)	-	-	-	-	(X)
3623	Welding apparatus	(X)	-	(under 2)	(under 2)	-	2.6	(X)
3634	Electrical housewares and fans	(X)	-	-	-	-	(2-5)	(X)
3714	Motor vehicle parts and accessories	(X)	(under 2)	-	(under 2)	(2-5)	-	(X)
3729	Aircraft equipment, n.e.c	(X)	(under 2)	(under 2)	(over 2)	-	(5-10)	(X)
3821	Mechanical measuring devices	(X)	(under 2)	(over 2)	.1	(under 2)	(2-5)	(X)
	Other products[1]	(X)	53.7	31.1	30.8	84.2	62.4	(X)
	Miscellaneous receipts, total	(X)	141.8	46.1	216.4	97.8	112.0	(X)
9300035	Receipts for precision machining on materials owned by others	(X)	15.2	4.1	57.1	6.1	2.7	(X)
9300000	Contract work	(X)	43.9	9.2	94.4	16.0	13.9	(X)
9998900	Resales	(X)	60.1	19.4	30.7	64.5	70.7	(X)
9998013	Sales of scrap and refuse	(X)	.9	.4	2.7	2.6	1.4	(X)
9998031	Receipts for installation	(X)	.5	.2	2.2	.2	2.1	(X)
9998041	Receipts for research and developmental work	(X)	.1	.4	4.1	.2	.2	(X)
9998061	Receipts for repair work	(X)	8.7	11.2	15.9	5.9	15.0	(X)
9998098	Other miscellaneous receipts	(X)	12.4	1.2	9.2	2.3	6.0	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries
	Listing of the other industries with over $2 million shipments of the primary products	
3541-	3291 Abrasive products	8.5
	3423 Hand and edge tools, n.e.c	(10-20)
	3461 Metal stampings	(2-5)
	3531 Construction machinery	(over 2)
	3553 Woodworking machinery	8.0
	3559 Special industry machinery, n.e.c	(over 2)
	3585 Refrigeration machinery	(over 2)
	3599 Miscellaneous machinery, except electrical	8.2
	3662 Radio and TV communication equipment	(over 2)
	3714 Motor vehicle parts and accessories	(over 2)
3542-	3411 Metal cans	(over 2)
	3431 Metal sanitary ware	(over 2)
	3452 Bolts, nuts, rivets, and washers	6.8
	3511 Steam engines and turbines	(over 2)
	3536 Hoists, cranes, and monorails	(over 2)
	3551 Food products machinery	(2-5)
	3559 Special industry machinery, n.e.c	5.0
	3564 Blowers and fans	(2-5)
	3623 Welding apparatus	2.6
	3644 Noncurrent carrying wiring devices	(over 2)
	3714 Motor vehicle parts and accessories	(over 2)
3544-	3069 Fabricated rubber products, n.e.c	3.2
	3079 Miscellaneous plastics products	41.6
	3321 Gray iron castings	5.1
	3323 Steel castings	2.3
	3361 Aluminum castings	22.2
	3369 Nonferrous castings, n.e.c	17.4
	3391 Iron and steel forgings	11.2
	3392 Nonferrous forgings	10.6
	3429 Hardware, n.e.c	(over 2)
	Listing of the other industries with over $2 million shipments of the primary products--continued	
3544-	3461 Metal stampings	241.3
	3522 Farm machinery	(2-5)
	3559 Special industry machinery, n.e.c	4.3
	3599 Miscellaneous machinery, except electrical	21.2
	3711 Motor vehicles	(over 2)
	3714 Motor vehicle parts and accessories	(50-100)
	3722 Aircraft engines and engine parts	3.1
	3729 Aircraft equipment, n.e.c	8.5
3545-	3423 Hand and edge tools, n.e.c	6.9
	3599 Miscellaneous machinery, except electrical	4.7
	3821 Mechanical measuring devices	(2-5)
	3822 Automatic temperature controls	(over 2)
	3999 Manufactures, n.e.c	(over 2)
3548-	3323 Steel castings	24.3
	3352 Aluminum rolling and drawing	(over 2)
	3452 Bolts, nuts, rivets, and washers	3.8
	3494 Valves and pipe fittings	(over 2)
	3499 Fabricated metal products, n.e.c	(2-5)
	3522 Farm machinery	(5-10)
	3531 Construction machinery	(2-5)
	3534 Elevators and moving stairways	(over 2)
	3552 Textile machinery	(over 2)
	3553 Woodworking machinery	2.6
	3559 Special industry machinery, n.e.c	4.8
	3564 Blowers and fans	(over 2)
	3569 General industrial machinery, n.e.c	3.8
	3629 Electrical industrial apparatus, n.e.c	(2-5)
	3634 Electric housewares and fans	(2-5)
	3729 Aircraft equipment, n.e.c	4.1

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand.

[1]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3541- --	MACHINE TOOLS, METAL-CUTTING TYPES, TOTAL	(X)	1,907.8	(X)	925.3
35411 --	Boring machines:				
	As reported in the census of manufactures[1]	(X)	127.8	(X)	66.3
	As reported on Census form MQ-35W[1]	1.8	117.8	1.8	67.9
35412 --	Drilling machines:				
	As reported in the census of manufactures[1]	(X)	128.5	(X)	55.3
	As reported on census form MQ-35W[1]	48.7	122.8	24.4	52.0
35413 --	Gear cutting and finishing machines:				
	As reported in the census of manufactures[1]	(X)	67.1	(X)	40.9
	As reported on Census form MQ-35W[1]	1.6	63.9	1.4	39.5
35414 --	Grinding and polishing machines (excluding gear tooth grinding, honing, lapping, polishing, and buffing machines):				
	As reported in the census of manufactures[1]	(X)	270.2	(X)	144.2
	As reported on Census form MQ-35W[1]	91.4	247.8	52.4	137.0
35415 --	Lathes:				
	As reported in the census of manufactures[1]	(X)	360.5	(X)	163.4
	As reported on Census form MQ-35W[1]	27.6	334.0	19.7	154.8
35416 --	Milling machines:				
	As reported in the census of manufactures[1]	(X)	258.2	(X)	112.7
	As reported on Census form MQ-35W[1]	24.0	234.3	16.7	106.1
35418 --	Other machine tools (including those designed primarily for home workshops, laboratories, etc.), total	(X)	371.9	(X)	152.4
	Products included in the census of manufactures and on Census form MQ-35W:				
35418 90	As reported in the census of manufactures[1]	(X)	274.3	(X)	100.8
	As reported on Census form MQ-35W[1]	41.0	252.6	23.7	100.5
	Machine tools designed primarily for home workshops, laboratories, garages, etc. (metalworking and primarily metalworking only)				
35418 11	Drilling machines	(NA)	2.2	24.7	3.5
35418 31	Grinding and polishing machines	(NA)	12.5	(NA)	8.2
35418 51	Lathes	(NA)	3.0	(NA)	1.2
35418 71	Saws and sawing machines	(NA)	10.4	(NA)	8.9
35418 91	Other metalworking (or primarily metalworking) type	(NA)	56.0	(X)	29.9
35418 00	Other machine tools (including those designed primarily for home workshops, laboratories, etc.), n.e.c., n.s.k	(X)	13.6	(X)	-
35419 --	Parts for metal-cutting type machine tools, sold separately, and rebuilt machine tools, total	(X)	241.0	(X)	165.5
35419 11	Parts for metal-cutting machine tools (sold separately)	(X)	218.4	(X)	136.3
35419 41	Rebuilt metal-cutting type machine tools	(X)	16.9	(X)	29.2
35419 00	Parts for metal-cutting type machine tools, sold separately, and rebuilt machine tools, n.s.k	(X)	5.7	(X)	-
35410 00	Machine tools, metal-cutting types, n.s.k. (For companies with ten or more employees. See Note.)	(X)	70.3	(X)	24.4
35410 02	Machine tools, metal-cutting types, n.s.k. (For companies with less than ten employees. See Note.)	(X)	12.2		

	Product	Value of total shipments including interplant transfers (million dollars)	
		1967	1963
3542- --	MACHINE TOOLS, METAL-FORMING TYPES, TOTAL	676.6	444.8
35421 00	Punching, shearing, bending, and forming machines:		
	As reported in the census of manufactures[1]	130.9	92.5
	As reported on Census Form MQ-35W[1]	114.4	88.0
35422 00	Presses, including forging presses:		
	As reported in the census of manufactures[1]	261.3	141.7
	As reported on Census Form MQ-35W[1]	240.1	136.0
35423 --	Other metal-forming machine tools, including forging machines, total	122.9	71.7
	Products included in both the census of manufactures and on Census Form MQ-35W:		
	As reported in the census of manufactures[1]	107.4	66.6
	As reported on Census Form MQ-35W[1]	98.8	64.2
35423 97	All other metal-forming machines	15.5	5.1

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of total shipments including interplant transfers (million dollars)	
		1967	1963
3542- --	MACHINE TOOLS, METAL-FORMING TYPES,--Continued		
35424 --	Parts for metal-forming machine tools and rebuilt metal-forming machinery, total	125.7	118.2
35424 11	Parts for metal-forming machine tools, except parts and attachments for electric and pneumatic power-driven handtools	120.8	112.4
35424 75	Rebuilt metal-forming type machine tools	5.0	5.8
35420 00	Machine tools, metal-forming types, n.s.k. (For companies with 10 or more employees. See Note.)	30.7	20.7
35420 02	Machine tools, metal-forming types, n.s.k. (For companies with less than 10 employees. See Note.)	4.9	

Product code	Product	Total shipments, including interplant transfers		
		1967		1963
		Quantity (million lbs.)	Value (million dollars)	Value (million dollars)
3544- --	SPECIAL DIES, TOOLS, JIGS, AND FIXTURES, TOTAL	(X)	2,520.2	1,608.1
35441 --	Special dies and tools, die sets, jigs and fixtures, total	(X)	[2]1,719.8	[2]1,161.2
	Jigs and fixtures, all types:			
	Gauging and checking types:			
35441 13	Under 1,000 pounds weight			
35441 15	1,000 pounds weight and over			
	All other jigs and fixtures (holding, positioning, layout, assembly, etc.):	(NA)	642.3	230.9
35441 17	Under 1,000 pounds weight			
35441 18	1,000 pounds weight and over			
35441 19	Standard catalog components and parts for jigs and fixtures, including drill bushings	(X)	31.0	([3])
	Dies:			
	Forging dies, including cold forging and heading:			
35441 33	Open die type	(X)	22.2	35.6
35441 35	Closed die type	(X)	25.7	
	Standard and special components and parts for dies:			
35441 73	Die sets	(X)	39.6	[3]46.6
35441 79	Other, including standard punches, springs, etc	(X)	20.9	
	Forming and drawing dies, including press brake dies:			
35441 23	Under 500 pounds weight	(NA)	57.2	
35441 25	501 to 3,000 pounds weight	20.3	39.2	
35441 27	Over 3,000 pounds weight	49.2	95.8	
	Stamping dies, including lamination and blanking dies:			
35441 28	Progressive type dies	(X)	185.6	
35441 29	All other stamping type dies (punch, trim, notch, pierce, perforate, etc.)	(X)	189.1	763.5
35441 41	Extrusion and wiredrawing and straightening dies	(X)	20.5	
35441 49	All other dies	(X)	44.1	
35441 98	Other specially designed tooling, prototypes, and models	(X)	306.5	84.6
35441 00	Special dies and tools, die sets, jigs and fixtures, n.s.k.			
35442 --	Industrial molds, total[4]	(X)	[2]446.2	[2]311.1
	Industrial molds, made of metal:			
	For casting metals:			
35442 11	Diecasting dies (molds)	(X)	[2]99.3	[2]90.5
35442 13	Foundry molds, except ingot molds	(X)	8.8	15.2
35442 33	For molding rubber products, including tire molds	(X)	40.8	35.5
	For molding plastics:			
35442 51	Injection molds	(X)	168.1	
35442 55	Compression molds, imcluding matched metal molds	(X)	25.5	112.7
35442 59	All other molds, including transfer, plunger, and rotational molds	(X)	18.2	
35442 61	All other molds made of metal (including molds for glass and other materials) and mold bases	(X)	41.0	30.3
35442 63	Industrial molds, made of materials other than metal	(X)	10.3	6.1
35442 00	Industrial molds, n.s.k.	(X)	34.4	20.8
35440 00	Special dies, tools, jigs, and fixtures, n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	251.1	135.9
35440 02	Special dies, tools, jigs, and fixtures, n.s.k. (For establishments with less than 10 employees. See Note.)	(X)	103.1	

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers (million dollars)	
		1967	1963
3545- --	MACHINE TOOL ACCESSORIES, TOTAL	1,222.4	731.7
35451 --	Small cutting tools for machine tools and metalworking machinery, total	770.9	464.4
	Broaches (excluding holders and burnishing bars):		
35451 13	High-speed steel	40.5	19.7
35451 15	Carbide, or special cast alloy, etc	8.6	5.0
	Twist drills (excluding combined drills, countersinks and gun drills):[5]		
35451 21	Carbon steel	3.5	2.8
	High-speed steel:		
35451 22	Taper shank	20.3	20.5
35451 23	Straight shank	81.0	52.3
35451 24	Carbide, solid and tipped (excluding tips and blanks sold separately; excluding masonry drills)	18.1	7.0
35451 25	Gun drills and gun reamers	5.4	(6)
35451 26	Combination drills and countersinks	4.5	(5)
35451 27	Countersinks (including port cutters, etc., but excluding combined drills and countersinks and pilots for interchangeable pilot types)	4.2	2.8
35451 29	Counter bores (including spotfacers, etc., but excluding pilots for interchangeable pilot types)	10.9	6.5
	Reamers, all types (excluding gunreamers):		
35451 31	Carbon steel (including blades sold separately)	3.0	2.9
35451 33	High-speed steel (including blades sold separately)	17.9	15.4
35451 36	Carbide, solid and tipped (excluding tips and blanks sold separately; including replaceable blades sold separately)	7.8	5.6
	Hobs:		
35451 41	Unground	9.0	7.4
35451 45	Ground	7.8	5.2
35451 46	Gear shaper cutters	7.5	6.6
35451 48	Gear shaving cutters	4.6	4.9
	Milling cutters:		
	End mills (excluding all inserted blade types, and steel mills but including solid or of bonded blade type, fishtail, die sinking, contour, router, tracer, hollow mills, etc.):		
35451 51	High-speed steel	[7]43.0	[7]21.2
35451 52	Carbide, solid and tipped (excluding tips and blanks sold separately)	[7]6.1	[7]4.2
	Replaceable inserted blade cutters, all types:		
	Nonindexible type:		
35451 53	High-speed steel, including complete cutters and replaceable blades sold separately	5.4	
35451 54	Carbide, including complete cutters and replaceable blades sold separately	9.7	8.2
	Indexible insert type:		
35451 55	High-speed steel, including complete cutters and indexible inserts sold separately	4.1	
35451 56	Carbide, including complete cutters and indexible inserts sold separately	5.5	
35451 58	Form relieved cutters, including high-speed steel and carbide (solid and tipped)	11.3	10.3
35451 59	Slitting saws and screw slotting cutters, including high-speed steel and carbide (tipped and solids)	8.5	5.7
	Milling cutters, n.e.c.:		
35451 61	High-speed steel	[7]12.7	[7]8.7
35451 63	Carbide, solid and tipped (excluding tips and blanks sold separately)	[7]6.9	[7]3.8
	Threading tools:		
	Taps (excluding taps in threading sets and screw plates and inserted chaser types):		
35451 78	Ground thread (high-speed steel)	59.1	42.7
35451 79	Cut thread (carbon steel and high-speed steel)	5.7	
35451 73	Dies, threading, including carbon steel, high-speed steel, and carbide (excluding dies in threading sets or screw plates, and inserted chaser types)	8.5	10.9
35451 75	Chasers and blades for both taps or dies of inserted blade or chaser type, including high-speed steel and carbide (excluding the die heads and insert or collapsible tap bodies)	17.0	14.3
35451 87	Thread rolling dies, including circular, flat, and planetary	11.0	4.3
35451 89	Other threading tools, including screw plates and threading sets	5.0	
	Single-point tools:[8]		
35451 65	High-speed steel	13.8	11.1
35451 66	Carbide including solid (excluding rough blanks), and tipped (excluding tips and blanks sold separately)	26.8	24.1
35451 68	Other materials	14.5	2.8
35451 72	Circular form tools (including blanks)	16.5	5.1
	Blanks, tips, and inserts:[9]		
35451 81	Blanks and tips including carbide, cast alloy, and ceramic	56.0	23.0
	Inserts, indexible type:		
	Carbide:		
35451 82	Utility ground	31.3	
35451 83	Precision ground	38.6	
35451 84	Other than carbide	1.8	35.6
	Inserts, other than indexible (on end, specials, etc.):		
35451 85	Carbide	8.7	
35451 86	Other than carbide	1.0	

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers (million dollars)	
		1967	1963
3545- --	MACHINE TOOL ACCESSORIES--Continued		
35451 --	Small cutting tools for machine tools and metalworking machinery--Continued		
	Other types of cutting tools for machine tools, n.e.c. including rotary burrs and rotary files and spade drills:[6]		
35451 92	Carbon steel	6.4	5.5
35451 94	High-speed steel	26.3	20.8
35451 96	Carbide, solid and tipped (excluding tips and blanks sold separately)	25.6	20.1
35451 00	Small cutting tools for machine tools and metalworking machinery, n.s.k.	29.5	17.3
35452 --	Precision measuring tools	130.8	88.0
	Machinists' precision tools:		
35452 11	Comparators	16.1	8.8
	Fixed size limit gages (American Gage Design type—C58-61):		
35452 13	Fixture type	8.9	7.0
35452 15	Thread type	9.4	6.0
35452 17	Adjustable size limit gages	4.6	2.8
35452 21	Gage blocks	4.0	2.6
35452 61	Dial indicators	9.9	6.6
35452 65	Micrometers and calipers	9.4	([10])
35452 71	Pneumatic gages (manual and automatic)	23.3	14.5
35452 98	Other machinists' precision tools, including dividers	36.1	[10]36.8
35452 00	Precision measuring tools, n.s.k.	9.2	3.0
35453 --	Other attachments and accessories for machine tools and metalworking machinery, total	239.5	152.6
	Chucks:		
35453 11	Drill	7.7	7.5
35453 13	Lathe	29.3	10.0
35453 15	Other chucks, including die heads and tap bodies	6.9	4.6
35453 21	Chuck holding devices (feeding fingers and collets, sleeves, sockets, drill heads, etc.)	23.9	16.6
35453 31	Tools for screw and automatic machines (box tools, hollow drills, work and tool holders, etc.) except tap and dies	20.6	10.0
35453 41	Other accessories and attachments for machine tools and metalworking machinery, except cutting tools	114.9	84.7
35453 51	Toolroom specialties, including levels, angle irons, plates, squares, sine bars, V-blocks, flats, vises, etc.	24.7	11.8
35453 00	Other attachments and accessories for machine tools and metalworking machinery, n.s.k.	11.5	7.2
35450 00	Machine tool accessories, n.s.k. (For companies with 10 or more employees. See Note.)	61.6	26.7
35450 02	Machine tool accessories, n.s.k. (For companies with less than 10 employees. See Note.)	19.6	

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 of units)	Value (million dollars)	Quantity (1,000 of units)	Value (million dollars)
3548- --	METALWORKING MACHINERY, N.E.C., TOTAL	(X)	1,028.0	(X)	701.9
35481 --	Rolling mill machinery and equipment, total	(X)	330.3	(X)	222.2
	Hot rolling mill machinery, except tube rolling:				
35481 11	Blooming and slabbing mill machinery	(X)	61.0	(X)	105.1
35481 13	Plate rolling mill machinery, except tinplate machinery	(X)	15.2		
35481 19	Other hot rolling mill machinery and equipment	(X)	83.4		
	Cold rolling mill machinery:				
35481 21	Tandem roll mills	(X)	35.2	(X)	79.7
35481 23	Single stand roll mills	(X)	33.6		
35481 29	Other cold rolling mill machinery and equipment	(X)	40.2		
35481 35	Tube mill machinery	(X)	12.6	(X)	16.4
35481 55	Other	(X)	44.7	(X)	19.4
35481 00	Rolling mill machinery and equipment, n.s.k.	(X)	4.5	(X)	1.6

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 of units)	Value (million dollars)	Quantity (1,000 of units)	Value (million dollars)
3548- --	METALWORKING MACHINERY, N.E.C.--Continued				
35482 --	Power-driven handtools, including parts and attachments, total	(X)	436.0	(X)	319.9
	Portable power-driven handtools which are controlled by hand including high cycle:				
	Electric:				
	Drills:				
	Armature mounted primarily on sleeve bearings:				
35482 01	1/4" chuck size and under	1,938.7	17.5	[11]1,992.7	[11]21.4
35482 03	5/16" up to and including 3/8"	872.4	11.7	[11]989.9	[11]11.2
35482 04	1/2" and larger	453.0	10.1	[11]742.4	[11]13.9
	Armature mounted primarily on other than sleeve bearings:				
35482 05	1/4" chuck size and under	485.0	6.9	([11])	([11])
35482 07	5/16" up to and including 3/8"	423.5	6.9	([11])	([11])
35482 09	1/2" and larger	314.4	9.7	([11])	([11])
35482 22	Screwdrivers and nut-runners	68.4	4.6	19.5	1.9
35482 24	Hammers	68.9	10.1	42.2	6.4
35482 25	Impact wrenches	86.1	6.9	55.7	4.5
35482 27	Planers and routers	(NA)	7.6	100.3	4.9
35482 31	Grinders, polishers, circular sanders, except bench grinders	375.9	12.5	460.8	12.9
35482 33	Sanders (belt, oscillating and reciprocating)	851.5	19.6	655.7	12.4
	Saws--circular:				
	Armature mounted primarily on sleeve bearings:				
35482 11	7" blade and smaller	590.6	12.3	[12]1,034.9	[12]22.3
35482 13	Over 7" blade	91.4	2.6	[12]137.7	[12]7.4
	Armature mounted on other than sleeve bearings:				
35482 15	7" blade and smaller	(NA)	10.2	([12])	([12])
35482 17	Over 7" blade	525.4	14.5	([12])	([12])
35482 18	Saws--jig, saber, reciprocating	1,476.0	23.9	1,175.7	18.3
35482 29	Other electric-powered handtools	(X)	20.5	(X)	9.9
35482 34	Parts, attachments, and accessories for electric-powered handtools (sold separately) excluding saw blades, drills, screwdrivers, etc.	(X)	49.2	(X)	45.5
	Pneumatic:				
35482 35	Drills, screwdrivers and nut-runners	186.8	27.9	105.2	17.7
35482 37	Percussion tools (such as runners, riveters, chippers, scalers, holder-ons)	85.1	13.3	55.6	9.1
35482 41	Impact wrenches	(NA)	24.4	96.7	17.0
35482 43	Grinders, polishers, sanders	96.8	13.8	93.5	12.8
35482 49	Other pneumatic-powered handtools	(X)	29.2	(X)	19.7
35482 51	Parts, attachments, and accessories for pneumatic-powered handtools (sold separately) excluding drills, screwdrivers, etc	(X)	47.5	(X)	46.0
35482 61	Power-actuated handtools	(NA)	3.4	50.9	2.1
35482 00	Power-driven handtools, including parts and attachments, n.s.k.	(X)	18.9	(X)	2.7
35483 --	Welding and cutting apparatus, except electric, total	(X)	69.6	(X)	54.7
35483 23	Gas type cutting apparatus, including machines	(X)	29.4		
35483 25	Gas type welding apparatus, including machines	(X)	22.9	(X)	54.1
35483 29	Other nonelectric welding and cutting equipment	(X)	13.4		
35483 00	Welding and cutting apparatus, except electric, n.s.k.	(X)	3.8	(X)	0.6
35484 11	Automotive maintenance equipment (such as motor analyzers, wheel balancers, sparkplug cleaners, wheel spinners, frame straighteners, etc.)	(X)	58.1	(X)	47.7
35485 --	Other metalworking machinery, total	(X)	86.2	(X)	36.6
35485 00	Drawing machines, draw benches, and machines for weaving and other wire fabricating:				
	As reported on the census of manufactures[1]	(X)	52.8	(X)	28.9
	As reported on Census Form MQ-35W[1]	(X)	42.9	(X)	21.3
35485 98	All other metalworking machinery, except machine tools[13]	(X)	33.4	(X)	7.7
35480 00	Metalworking machinery, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	40.4		
35480 02	Metalworking machinery, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	7.4	(X)	20.9

See footnotes on next page.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Footnotes for table 6A-1--35C

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]For these products, data were also collected on Census quarterly Form MQ35W. In lieu of asking for detailed statistics on these products in the census of manufactures, respondents were asked to report only value of shipments for specified classes of products for which separate figures had previously been collected on the quarterly Form MQ35W. In most cases, the value figures reported in the census of manufactures for each class of products agreed closely with the corresponding figures reported in the quarterly survey. However, there were some differences between the census figures and the quarterly survey figures. These variations were due primarily to the following reasons:

a. Census of manufactures reports correctly including all accessories or attachments ordered and shipped with the machine. In some cases the quarterly survey represents only the value of the basic machine. This is the most significant factor for these differences.
b. Use of different bases for reporting value (company sales vs. factory production).
c. Use of estimates in reporting data on the quarterly survey, whereas census of manufactures figures generally represent more exact shipments figures.
d. Better coverage in the census of manufactures program.

The nomenclature used to describe products classified in industry 3541 in Current Industrial Reports Series MQ-35W, Metalworking Machinery, was revised for some products between 1963 and 1967. Accordingly, these data may not be directly comparable.

See table 6A-2 for more detailed product data.

[2]The definitions of product classes 35441 and 35442 have been revised. Product code 35442 11, Diecasting dies(molds), was included through 1966 in product class 35441 but is now included in product class 35442.

[3]1963 data for product code 35441 19, standard catalog components and parts for jigs and fixtures are included with product codes 35441 73 and 35441 79, Standard catalog components and parts for dies.

[4]Excludes industrial molds produced and consumed in the same establishment.

[5]For 1963 "combination drills and countersinks" were included with "twist drills".

[6]For 1963 "gun drills and gun reamers" were included with "other types of metal cutting tools."

[7]Not directly comparable. For 1967, shell mills are included with "milling cutters, n.e.c." For 1963, they were included with "end mills."

[8]Single point tools are cutting tools with integral or bonded shank and cutting element; either square, rectangular, round or other cross section; single or double end; used for turning, planing, drilling, boring, shaping, shaving, forming, threading, cutting off, trepanning, etc.; (excludes circular form tools, and all mechanical holding devices and indexible inserts).

[9]Blanks are unground material, as cast or formed from which a solid tool or cutting tip can be made. Tips are a finished or semifinished form of blank to be brazed, soldered or otherwise bonded to a shank to form a cutting tool. Inserts are replaceable, machanically held cutting components of cutting tools, ground on all surfaces (precision ground); or top and bottom only (utility ground). (Includes only those items sold separately.)

[10]For 1963, code 3545265 "micrometers and calipers" was included with code 35452 98 "other machinists' precision tools."

[11]In 1963, product codes 35482 05, 35482 07, and 35482 09 are combined with comparable drills with armature mounted primarily on sleeve bearings.

[12]In 1963, product codes 35482 15 and 35482 17 are combined respectively with product codes 35482 11 and 35482 13.

[13]A major portion of this value represents metalworking assembly and automation equipment, not elsewhere classified.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963

1967 product code	Product	1967		1963	
		Quantity (number of machines)	Value ($1,000)	Quantity (number of machines)	Value ($1,000)
	METALWORKING MACHINERY, TOTAL	311,472	1,869,298	198,597	967,403
	Average value under $1,000	193,821	49,101	125,316	32,648
	Average value $1,000 or over	117,651	1,820,197	73,281	934,755
3541 pt.	Metal-cutting type, total	236,167	1,373,178	139,922	657,877
	Average value under $1,000	150,153	36,759	89,543	22,450
	Average value $1,000 or over	86,014	1,336,419	50,379	635,427
35411 --	Boring machines, total	1,813	117,837	1,750	67,930
	Horizontal boring, drilling, and milling machines:				
35411 11	Table type			144	12,625
35411 13-19	Rotary table type, floor type, and all other	484	66,361	[1]137	[1]5,800
35411 21-29	Vertical boring and turning mills (including vertical turret lathes)			168	15,709
35411 51-59	Precision boring machines	498	23,046	411	15,414
35411 71-73	Jig boring machines	593	26,642	499	17,000
35411 91-99	All other boring machines[1]	238	1,788	391	1,382
35412 --	Drilling machines, total	48,747	122,820	24,358	52,018
	Average value under $1,000	40,938	9,065	20,521	4,041
	Average value $1,000 or over	7,809	113,755	3,837	47,977
	Sensitive drilling machines:				
35412 11	Bench type:				
	Average value under $1,000	1,643	579	5,787	1,344
	Average value $1,000 or over	141	343	450	632
35412 15	Floor and pedestal type:				
	Average value under $1,000	(2)	(2)	544	191
	Average value $1,000 or over	1,397	6,080	1,089	5,105
	Vertical (upright) drilling machines:				
35412 21	Plain-upright:				
	Average value under $1,000	(2)	(2)	13,429	2,195
	Average value $1,000 or over	674	9,463	222	796
35412 25	Indexing turret head	2,239	25,256	(3)	(3)
35412 23	Heavy duty (manufacturing)	(D)	(D)	177	1,010
35412 29	All other vertical (upright) drilling machines	(2)	(2)	[3]256	[3]6,577
	Radial drilling machines:				
	Plain and universal:				
35412 31	Under 13" column	[2]311	[2]3,773		
35412 35	13" column and over	398	5,688	[4]476	[4]4,977
35412 49	All other radial drilling machines				
	Multiple spindle drilling machines (cluster of spindles driven from one central power unit):				
35412 51-55	Adjustable joint, fixed center and rail mounted	405	7,671	[4]215	[4]3,042
35412 61	Automatic drilling machines (combination, horizontal-vertical, opposed heads)	[2]860	[2]20,459	[4]267	[4]11,821
35412 69	All other automatic multiple-spindle drilling machines	[1]64	[1]2,706	22	668
35412 81-89	Deep-hole drilling machines	(D)	(D)	[4]1,424	[4]13,660
35412 99	All other drilling machines	[2]40,176	[2]27,429		
35413	Gear-cutting machines (all with an average value $1,000 or over), total	1,556	63,851	1,371	39,534
35413 71	Gear-tooth finishing machines	520	16,255	531	11,674
35413 11,13	Gear hobbers-horizontal and vertical	368	11,336	279	7,501
35413 31-59,99	All other gear cutting machines	668	36,260	561	20,359
35414 --	Grinding and polishing machines (except gear-tooth grinding, lapping, polishing, and buffing machines), total	91,417	247,760	52,446	137,040
	Average value under $1,000	69,344	7,386	39,544	4,929
	Average value $1,000 or over	22,073	240,374	12,902	132,111
	External cylindrical grinding machines:				
35414 11	Plain	570	19,569	225	7,097
35414 13	Universal	795	13,979	318	6,965
35414 15, 16	Grinders - roll and centerless	636	27,993	483	15,755
35414 19	All other	362	24,511	311	15,637
	Surface grinding machines:				
35414 31	Rotary table type	729	16,805	583	7,830
35414 33	Reciprocating table type (including face grinders)[5]	8,277	38,798	4,229	20,098
35414 39	All other surface grinding machines (including planer type)	101	792	50	232

See footnotes at end of table.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963—Continued

1967 product code	Product	1967 Quantity (number of machines)	1967 Value ($1,000)	1963 Quantity (number of machines)	1963 Value ($1,000)
3541 - --	Metal-cutting type--Continued				
35414 --	Grinding and polishing machines (except gear-tooth grinding, lapping, polishing, and buffing machines)--Continued				
35414 43	Bench, floor, and snag grinders:				
	Bench	[6]54,099	[6]3,526	[7]28,136	[7]1,737
35414 45	Floor and snag grinders:				
	Average value under $1,000	([5])	([5])	2,897	704
	Average value $1,000 or over	[6]732	[6]1,964	122	279
35414 51	Tool and cutter grinding machines:				
	Universal[5]	1,859	7,900	1,106	4,173
35414 55	Special (broach, drilling, mills, saw, hob, and tap):				
	Average value under $1,000	5,058	1,529	1,400	638
	Average value $1,000 or over	934	7,654	777	5,427
35414 65	Polishing and buffing machines:				
	Floor-type:				
	Average value under $1,000	237	94	426	133
	Average value $1,000 or over	716	3,022	721	2,148
35414 61,63, 66, 67, 69	All other polishing and buffing machines (including speed lathes; and abrasive belt, drum, and disc; bench; and swing frame, sheet metal and tube polishing types):				
	Average value under $1,000	7,222	1,199	[8]3,300	[8]6,396
	Average value $1,000 or over	1,588	8,869		
35414 75	Honing and lapping machines:				
	Honing machines (except gear honing), internal	[5]1,700	[5]7,557	[1]1,718	[1]4,661
35414 79	Flat surface lapping machines[5]				
35414 76-78,81, 83	All other honing and lapping machines (including external and combination boring and turning honing machines and cylindrical surface lapping machines, except gear lapping)[5]	744	6,054	[8]438	[8]2,736
35414 21-25,41, 49, 71,91-99	All other grinding machines (including internal cylindrical, disc and thread grinders):				
	Average value under $1,000[5]	2,634	1,040	[8]3,520	[8]793
	Average value $1,000 or over	2,424	54,905	1,686	33,601
35415 --	Lathes, total	27,596	334,012	19,656	154,763
	Average value under $1,000	6,509	3,870	7,311	4,257
	Average value $1,000 or over	21,087	330,142	12,345	150,506
35415 11	Bench lathes (except bench turret lathes)	[9]5,189	[9]2,647	[1]5,299	[1]4,991
	Manufacturing and toolroom lathes:				
	Floor-engine-toolroom (light and heavy duty):				
35415 21	Up to and including 16" swing over cross slide:				
	Average value under $1,000	1,052	999	2,183	1,864
	Average value $1,000 or over	11,947	57,425	6,823	33,333
35415 23	17" to 23" swing	383	16,340	324	6,471
35415 25-29	24" swing and over	126	15,393	55	2,837
35415 33	Gap lathes				
35415 35-39	All other manufacturing and toolroom lathes, including manufacturing (multi-tool automatics) and hollow spindle (oilfield)	(D)	(D)	[10]180	[10]3,267
	Turret lathes:				
35415 51-55	Bench and floor light duty type (with turret attachment) and saddle type	[11]1,430	[11]23,157	[10]1,484	[10]17,015
35415 53	Ram type	698	14,125		
	Automatic chucking lathes:				
35415 61	Single spindle	1,824	77,205	695	25,413
35415 65	Multiple spindle	340	26,449	195	16,233
	Automatic between center lathes:				
35415 71	Single spindle	224	8,328	174	5,757
35415 75	Multiple spindle	(D)	(D)		
35415 81 & 88	Screw (bar) machines	2,611	70,053	1,278	30,494
35415 77,87, 89-99	All other lathes (including right angle carriage lathes (T-lathes) and boring and combination boring and turning lathes)	[11]753	[11]12,484	[10]966	[10]7,088
35416 --	Milling machines, total	24,005	234,267	16,683	106,126
35416 11	Bench and hand milling machines (including knee-type bench milling machines):				
	Average value under $1,000	962	493	1,087	458
	Average value $1,000 or over	335	1,088	399	1,179

See footnotes at end of table.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963—Continued

1967 product code	Product	1967 Quantity (number of machines)	1967 Value ($1,000)	1963 Quantity (number of machines)	1963 Value ($1,000)
3541 - --	Metal-cutting type--Continued				
	Milling machines--Continued				
	Knee-type milling machines (except bench type):				
	Horizontal:				
35416 21	Plain	1,200	19,489	609	10,729
35416 23	Universal	199	4,058	206	3,604
	Vertical:				
35416 26	2 horsepower and under:				
	Average value under $1,000	(12)	(12)	[13]7,800	[13]15,932
	Average value $1,000 and over	12,606	27,117		
35416 28	Over 2 horsepower	306	8,485	252	5,574
35416 29	All other knee-type milling machines	794	7,816	[13]43	[13]483
35416 71	Ram type			777	4,725
35416 31, 35	Bed type milling machines (including single spindle and multiple spindle and special purpose machines)	624	16,124	526	23,141
35416 51	Profile machines and duplicators	1,563	81,008	434	14,637
35416 57	Die sinking machines	[12]5,416	[12]68,589	379	2,740
35416 95	Engraving machines, drum type miller, cam millers, and pantograph millers			[13]74	[13]460
35416 41, 53-55, 61, 91-93, 99	All other milling machines (including planer type, skin millers, spar millers, and thread milling machines)			[13]4,097	[13]22,464
35418 pt.	All other metal-cutting type machine tools (except those designed primarily for home workshops, laboratories, garages, etc.), total	41,033	252,631	23,658	100,466
	Average value under $1,000	28,028	12,249	17,353	6,485
	Average value $1,000 or over	13,005	240,382	6,305	93,981
	Broaching machines:				
	Hydraulic:				
35418 10	Horizontal	122	10,577	50	2,078
35418 12, 13	Vertical and rotary			72	2,697
35418 14-16	Mechanical (horizontal, vertical, and continuous chain type)	61	4,630	36	2,610
35418 19	All other broaching machines	9	365	(14)	(14)
	Shapers (except gear shapers) and slotters:				
35418 29	Horizontal (plain and universal) - under 16" stroke	[15]192	[15]2,438	385	417
35418 30,33,35	All other shapers and slotters, including vertical and horizontal 16" stroke and over			[16]130	[16]1,360
	Sawing and cutoff machines:				
35418 37	Power hack saws:				
	Average value under $1,000	3,971	654	2,156	338
	Average value $1,000 or more	633	2,387	499	1,711
35418 39	Circular cutoff saws	[15]324	[15]1,322	[17]130	[17]1,177
35418 41	Abrasive cutoff saws:				
	Average value under $1,000	1,602	675	1,178	629
	Average value $1,000 or over	774	2,904	502	1,922
35418 43, 45	All other sawing and cutoff machines, including band saw cutoff saws:				
	Average value under $1,000	10,456	6,159	[17]6,445	[17]13,355
	Average value $1,000 or over	3,391	21,928		
	Tapping machines:				
35418 49	Vertical	[15](D)	[15](D)	[18]204	[18]807
35418 50	Horizontal and radial arm	-	-		
35418 53, 55	All other tapping machines (including nut, coupling, and shell)	[1]110	[1]1,748	[18]163	[18]1,753
35418 47	Contour saw and filling machines (including band type)	[9]2,443	[9]883	[1]5,699	[1]6,007
	Thread machines (except thread millers and thread grinders):				
35418 59	Pipe and nipple	[15]432	[15]3,784	[19]284	[19]2,105
35418 57	Bolt			(19)	(19)
35418 61	All other threading machines			[19]4,156	[19]2,103
35418 63	Rifling machines	-	-	-	-
35418 67	Keyseating machines	[15]269	[15]2,075	277	1,830
35418 69	Pointing, chamfering, facing, shaving, grooving, counter sinking, burring, forming, and drilling machines (excluding gear-tooth machines)				
35418 73	Transfer machines containing multiple stations for boring, broaching, drilling, grinding, turning, milling, tapping, reaming, counter boring, measuring, etc., (including way, rotary index, center column, trunnion, plain, or pallet transfer types)	637	131,708	365	43,637
35418 21-27,65	Planers and centering machines	(D)	(D)	[14]53	[14]1,694
35418 70, 35418 75-90	All other metal-cutting machines[20]	[15]11,183	[15]41,683	[16]874	[16]12,236

See footnotes at end of table.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963—Continued

1967 product code	Product	1967 Quantity (number of machines)	1967 Value ($1,000)	1963 Quantity (number of machines)	1963 Value ($1,000)
3542 pt. 3548 pt.	Metal-forming type, total	75,305	496,120	58,675	309,526
	Average value under $1,000	43,668	12,342	35,773	10,198
	Average value $1,000 or over	31,637	483,778	22,902	299,328
35421 --	Punching, shearing, bending, and forming machines, total	22,938	114,365	21,527	88,046
	Punching and shearing machines, total	8,553	56,923	8,501	42,809
	Average value under $1,000	4,706	1,480	5,632	2,079
	Average value $1,000 or over	3,847	55,443	2,869	40,730
35421 09	Manually operated:				
	Average value under $1,000	(21)	(21)	1,023	183
	Average value $1,000 or over	(D)	(D)	(22)	(22)
35421 11	Power:				
	Punches (includes combination punching and shearing machines)	[1]818	[1]15,971	[21]974	[21]12,424
35421 13	Plate shearing machines (squaring, slitting, etc.)	1,833	23,396	1,286	12,426
35421 15	Bar and angle shearing machines	(D)	(D)	68	2,713
35421 17	Rotary shearing machines[21]	460	6,704	127	4,188
35421 19	Other punching and shearing machines:				
	Average value under $1,000[21]	4,706	1,480	4,609	1,896
	Average value $1,000 or over	271	6,159	[22]414	[22]8,979
	Bending and forming machines, total	14,385	57,442	13,026	45,237
	Average value under $1,000	9,168	3,570	9,676	4,170
	Average value $1,000 or over	5,217	53,872	3,350	41,067
	Power:				
	Bending rolls:				
35421 31	Sheet and plate[23]	764	8,537	695	16,663
35421 35	Angles, bars, and shapes	2,441	27,990	[23]71	[23]804
35421 37	Bending brakes and folders[23]			1,043	8,463
35421 41	Rotary bending and forming machines	[1]668	[1]3,538	[23]184	[23]1,580
35421 45	Rotary head and ram bending machines (pipe, bar, etc)	[1]346	[1]5,043	[23]251	[23]2,426
35421 33, 39, 43, 47, 49, 51	Other bending and forming machines (including power and manual):				
	Average value under $1,000[23]	9,168	3,570	10,782	15,301
	Average value $1,000 or over	998	8,764		
35422 --	Presses, including forging, total	41,834	240,058	28,563	135,996
	Average value under $1,000	28,281	6,506	19,222	3,577
	Average value $1,000 or over	13,553	233,552	9,341	132,419
	Mechanical:				
	Open inclinable gap type:				
35422 11	9 tons and under:				
	Average value under $1,000	7,836	995	2,803	4,215
	Average value $1,000 or over	(D)	(D)		
35422 12	10 to 50 tons	(D)	(D)	[24]2,017	[24]7,441
35422 13	51 tons and over	2,173	24,643	[24]1,048	[24]10,677
	Vertical straight sided and arch frame, excluding knuckle joint (including cam and crank):				
	Single action:				
	Single point:				
35422 14	200 tons and under	195	3,756	123	3,511
35422 15	201 tons to 300	44	2,347	71	7,900
35422 16	301 tons and over	59	8,347		
	Two point:				
35422 17	300 tons and under	529	21,844	401	18,943
35422 18, 19	301 tons and over	192	30,013		
35422 23, 26	Four point	149	23,715	100	12,869
35422 29, 30, 32-38	Double and triple action (including toggle)	107	19,932	101	15,961
	Automatic high speed presses, strip or coil fed:				
35422 43	50 tons and under	[25]643	[25]6,865	[24]185	[24]3,739
35422 44, 45	51 tons and over	393	17,582	182	7,739
35422 39, 40	Knuckle joint	517	17,825	15	577
35422 41	Horizontal			(26)	(26)
35422 42	Gap and horn type			[24]272	[24]4,454
35422 58	Bulldozers			(26)	(26)
35422 46-47	Transfer feed presses (excluding automated lines of standard equipment)			(24)	(24)
35422 59	All other mechanical presses (including end wheel type):				
	Average value under $1,000	413	135	[24,26]4,527	[24,26]1,207
	Average value $1,000 or over	306	8,191	[26,27]417	[26,27]6,949

See footnotes at end of table.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963—Continued

1967 product code	Product	1967		1963	
		Quantity (number of machines)	Value ($1,000)	Quantity (number of machines)	Value ($1,000)
3542- --	Metal-forming type--Continued				
35422 --	Presses, including forgings--Continued				
	Hydraulic and pneumatic presses (metalworking only):				
	Vertical single action:				
35422 61-63	Housing or straight column type	[25]246	[25]5,372	[28]515	[28]6,347
35422 64-66	Open rod type	333	3,425	154	1,878
	Gap or C-frame:				
35422 68	50 tons and under	[25]1,970	[25]4,915	[28]2,214	[28]5,720
35422 69, 70	51 tons and over	130	2,199	92	1,135
35422 71, 72	Vertical double action (2 slide)	226	6,025	([29])	([29])
35422 73	Vertical triple action			([29])	([29])
35422 74-76	Horizontal (except extrusion) type			[28]25	[28]332
35422 77	Extrusion presses			35	4,812
35422 81	Stretch wrap forming machines			([29])	([29])
35422 79	All other hydraulic presses:				
	Average value under $1,000	([25])	([25])	[28,29]929	[28,29]410
	Average value $1,000 or over	999	12,233	[29]641	[29]7,663
35422 91	Manual presses (arbor, straightening, forging, and assembling)	[1]14,057	[1]1,985	11,696	1,517
35422 00	All other presses (average value under $1,000)	[25]5,814	[25]3,278	(NA)	(NA)
35423 pt.	Other metal-forming machine tools, total	7,566	98,831	6,716	64,164
	Forging machines (except presses), total	810	29,644	825	22,347
35423 27	Headers and upsetters	663	20,925	825	22,347
35423 30	Swaging machines				
35423 12-23,29, 35	Other forging machinery, including hammers and forging rolls	[1]147	[1]8,719		
35423 49	Riveting machines (except hand held portable types):				
	Average value under $1,000	434	282	[30]2,208	[30]4,090
	Average value $1,000 or over	3,418	11,800		
35423 51, 52, 56	Metal container making machines (including can and barrel and drum)	[31]1,078	[31]26,233	1,169	20,795
35423 57	Die casting machines	382	20,618	261	12,121
35423 43	Thread rolling machinery	[31 32]1,317	[31 32]5,622	244	2,852
35423 45	Spinning lathes (flow turn, hydrospin and spin forge)			[30]2,009	[30]1,959
35423 47	Marking machines, knurling machines, etc.				
35423 61, 73, 75, 79, 81	Metal deposit forming machines (electroforming), high energy rate metal-forming machines (electromagnetic discharge), and mechanical-pneumatic or hydraulic forming machines	127	4,632	(NA)	(NA)
35485 pt.	Other metalworking machinery, except machine tools, total	2,967	42,866	1,869	21,320
35485 41	Machines for weaving and other wire fabricating (barbed wire, poultry netting, woven wire fence machine, etc.)	1,776	18,815	1,542	12,900
35485 51	Wiredrawing machines and draw benches	1,191	24,051	327	8,420

See footnotes on next page.

TABLE 6A-2. Total Shipments (Including Exports) of Metalworking Machinery: 1967 and 1963—Continued

Footnotes for table 6A-2--35C

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

[1] Includes some machines with an average value of under $1,000.

[2] For 1967, machines with an average value of less than $1,000 have been included with "All other drilling machines" (code 3541299).

[3] 1963 data for "Indexing and turret head vertical (upright) drilling machines" (code 3541225) are included with "All other vertical (upright) drilling machines" (code 3541229).

[4] For 1963, some machines with an average value of under $1,000 for codes 3541231, 3541253, and 3541261 are included with "All other drilling machines" (code 3541299).

[5] Machines with an average value of less than $1,000 have been included with "All other grinding and polishing machines" (code 3541499).

[6] 1967 data for "Bench grinders (average value $1,000 and over)" (code 3541443) are included with "Floor and snag grinders (average value $1,000 and over)" (code 3541445).

[7] For 1963, all "Bench grinders" (code 3541443) have an average value under $1,000.

[8] For 1963, machines with an average value of less than $1,000 for "Swing frame, sheet metal, and tube polishing" (code 3541467) have been included with "All other grinding and polishing machines" (code 3541499). Data for "Bench type" (code 3541461), "Abrasive belt, drum, and disc" (code 3541463), "Speed lathes" (code 3541466), and "All other polishing and buffing machines" (code 3541469) include some machines with an average value of under $1,000.

[9] For 1967, figures for machines with average value over $1,000 are withheld to avoid disclosing operations of individual companies.

[10] For 1963, some machines with an average value of under $1,000 for "Gap lathes" (code 3541533) and "Bench and floor light duty type with turret attachments" (code 3541551) are included with "All other lathes" (code 3541599).

[11] For 1967, machines with an average value of less than $1,000 have been included with "All other lathes" (code 3541599).

[12] 1967 data are included with "All other milling machines" (code 3541699).

[13] For 1963, some machines with an average value of under $1,000 are included with "All other milling machines" (code 3541699).

[14] 1963 data for "All other broaching machines" (code 3541819) are included with "Planers and centering machines" (codes 3541821-27 and 65).

[15] For 1967, machines with an average value of less than $1,000 have been included with "All other metal-cutting machines" (code 3541890).

[16] 1963 data for "Vertical shapers and slotters" (code 3541833) and "All other shapers and slotters" (code 3541835) are included with "All other metal-cutting machines" (code 3541890).

[17] For 1963, machines with an average of under $1,000 are included with "All other sawing and cutoff machines, including band saw cutoff saws" (codes 3541843 and 3541845).

[18] For 1963, machines with an average value of under $1,000 for "Vertical tapping machines" (code 3541849) are included with "All other tapping machines" (code 3541855).

[19] For 1963, all "Bolt threading machines" (code 3541857) and "Pipe and nipple threading machines (with an average value of under $1,000)" (code 3541859) are included with "All other threading machines" (code 3541861).

[20] Includes reaming machines (except rifle reaming); screw and nut slotting machines; electroerosion machines; ultrasonic machines; and electrolytic machines.

[21] Machines with an average value of less than $1,000 have been included with "Other punching and shearing machines" (code 3542119).

[22] For 1963, "Manually operated punching and shearing machines" (code 3542109) valued at $1,000 or over are included with "Other punching and shearing machines" (code 3542119) valued at $1,000 or more.

[23] Machines with an average value of less than $1,000 have been included with "Other bending and forming machines" (codes 3542149 and 3542151).

[24] For 1963, machines with an average value of under $1,000 are included with "All other mechanical presses" (code 3542259). In addition, data for codes 3542246, 47 are included with codes 3542243-45.

[25] For 1967, machines with an average value of less than $1,000 have been included with "All other presses" (code 3542200).

[26] 1963 data for "Horizontal high speed presses" (code 3542241) and "Bulldozer high speed presses" (code 3542258) are included with "All other mechanical presses" (code 3542259).

[27] Includes 34 "End wheel-type mechanical presses" valued at $247(000) for 1963.

[28] For 1963, machines with an average value of under $1,000 for codes 3542261, 3542268, and 3542274 are included with "All other hydraulic presses" (code 3542279).

[29] 1963 data are included with "All other hydraulic presses" (code 3542279).

[30] For 1963, some machines with an average value of under $1,000 are included with "Spinning lathes and marking machines" (codes 3542345 and 3542347).

[31] For 1967, machines with an average value of less than $1,000 have been included with "Marking machines, knurling machines, etc." (code 3542347).

[32] For 1967, "Spinning lathes" (code 3542345) includes some machines with an average value of under $1,000.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
BORING MACHINES (35411)		
United States	127.8	66.3
Northeast Region	25.8	23.1
New England Div.	17.4	(D)
Massachusetts	CC	(1)
Connecticut	EE	16.6
Middle Atlantic Div.	8.3	(D)
New York	7.2	(D)
North Central Region	98.9	(D)
East North Central Div.	98.1	42.1
Ohio	FF	(1)
Illinois	3.4	(D)
Michigan	40.8	15.4
Wisconsin	FF	(1)
West Region	2.3	(D)
Pacific Div.	2.3	(D)
California	AA	(D)
DRILLING MACHINES (35412)		
United States	128.5	55.3
Northeast Region	40.4	12.0
New England Div.	29.5	8.5
Massachusetts	22.7	(1)
Rhode Island	BB	(1)
Connecticut	AA	4.2
Middle Atlantic Div.	10.9	3.5
New York	7.6	2.0
New Jersey	BB	(D)
North Central Region	77.9	33.6
East North Central Div.	GG	(D)
Ohio	35.5	11.7
Illinois	6.8	(1)
Michigan	15.2	8.1
Wisconsin	19.0	8.4
West North Central Div.	AA	(D)
Missouri	AA	(D)
South Region	9.3	(D)
East South Central Div.	CC	(D)
Kentucky	CC	(1)
Tennessee	BB	(D)
GRINDING AND POLISHING MACHINES, EXCLUDING GEAR TOOTH (35414)		
United States	270.2	144.2
Northeast Region	112.5	68.2
New England Div.	69.0	46.5
Vermont	EE	(1)
Massachusetts	27.6	23.6
Rhode Island	EE	(1)
Connecticut	13.4	7.4
Middle Atlantic Div.	43.5	21.7
New York	9.2	5.5
New Jersey	1.9	0.5
Pennsylvania	32.4	15.6
GRINDING AND POLISHING MACHINES, EXCLUDING GEAR TOOTH (35414)--Continued		
North Central Region	140.4	72.0
East North Central Div.	128.6	66.6
Ohio	59.1	31.0
Illinois	37.0	17.9
Michigan	30.0	15.5
Wisconsin	2.2	1.7
West North Central Div.	11.8	5.4
Minnesota	7.3	2.9
South Dakota	BB	(1)
South Region	8.1	(D)
South Atlantic Div.	3.0	(D)
Maryland	AA	(1)
East South Central Div.	1.7	(D)
West South Central Div.	3.4	(D)
Arkansas	AA	(D)
Texas	BB	(1)
West Region	9.2	(D)
Pacific Div.	8.9	(D)
California	CC	(D)
LATHES (35415)		
United States	360.5	163.4
Northeast Region	144.0	52.2
New England Div.	119.2	40.1
Vermont	FF	(1)
Massachusetts	AA	(D)
Rhode Island	FF	(1)
Connecticut	64.4	20.4
Middle Atlantic Div.	24.8	12.1
New York	23.1	11.5
New Jersey	1.6	(D)
North Central Region	213.6	(D)
East North Central Div.	GG	110.1
Ohio	158.6	84.3
Indiana	EE	(1)
Illinois	11.9	8.4
Michigan	12.3	5.0
Wisconsin	EE	(1)
West Region	2.8	(D)
Pacific Div.	BB	(D)
California	AA	(D)
MILLING MACHINES (35416)		
United States	258.2	112.7
Northeast Region	50.1	25.4
New England Div.	36.0	21.7
Massachusetts	BB	(1)
Rhode Island	AA	(1)
Connecticut	FF	17.5
Middle Atlantic Div.	14.1	3.7
New York	EE	(1)
MILLING MACHINES (35416)--Continued		
North Central Region	186.9	(D)
East North Central Div.	186.6	84.0
Ohio	74.7	(1)
Illinois	44.6	16.5
Michigan	CC	5.2
Wisconsin	GG	31.8
South Region	BB	(D)
East South Central Div.	AA	(D)
Mississippi	AA	(D)
West Region	EE	(D)
Pacific Div.	EE	2.1
California	EE	2.1
OTHER MACHINE TOOLS INCLUDING HOME WORKSHOP, LABORATORIES, ETC. (35418)		
United States	371.9	152.4
Northeast Region	44.6	24.8
New England Div.	34.3	13.6
New Hampshire	EE	(1)
Massachusetts	CC	(1)
Connecticut	12.5	3.8
Middle Atlantic Div.	10.3	11.2
New York	2.7	4.4
New Jersey	1.3	(1)
Pennsylvania	6.3	(1)
North Central Region	287.4	122.4
East North Central Div.	264.6	113.1
Ohio	41.0	21.4
Illinois	54.1	24.6
Michigan	161.1	60.7
Wisconsin	7.5	3.2
West North Central Div.	22.8	9.3
Minnesota	EE	(1)
Missouri	10.7	(D)
South Region	FF	1.7
East South Central Div.	BB	(D)
Tennessee	BB	(D)
West South Central Div.	EE	(D)
Texas	EE	(D)
West Region	EE	3.7
Pacific Div.	EE	3.7
California	19.1	3.5
PARTS FOR METAL-CUTTING MACHINE TOOLS AND REBUILT MACHINE TOOLS (35419)		
United States	241.0	165.5
Northeast Region	65.2	49.6
New England Div.	46.4	33.2
New Hampshire	AA	(D)
Vermont	CC	(1)
Massachusetts	14.9	9.5
Rhode Island	8.8	(1)
Connecticut	13.7	11.1
Middle Atlantic Div.	18.8	16.4
New York	12.9	11.1
Pennsylvania	CC	(1)

See footnote at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
PARTS FOR METAL-CUTTING MACHINE TOOLS AND REBUILT MACHINE TOOLS (35419)--Continued		
North Central Region	171.2	113.0
East North Central Div.	165.9	109.1
Ohio	85.1	50.4
Indiana	AA	3.7
Illinois	FF	17.6
Michigan	36.6	25.4
Wisconsin	FF	12.0
West North Central Div.	5.2	3.9
Minnesota	BB	(1)
Iowa	AA	(D)
West Region	4.0	(D)
Pacific Div.	BB	(D)
California	BB	2.0
PUNCHING, SHEARING, BENDING, FORMING MACHINES (35421)		
United States	130.9	92.5
Northeast Region	31.5	27.7
New England Div.	7.8	7.2
Connecticut	6.4	5.7
Middle Atlantic Div.	23.7	20.5
New York	12.0	7.9
New Jersey	BB	0.8
Pennsylvania	CC	11.8
North Central Region	88.0	58.6
East North Central Div.	78.6	53.0
Ohio	38.5	27.4
Indiana	1.9	2.0
Illinois	26.8	14.2
Michigan	8.9	8.9
Wisconsin	2.5	0.5
West North Central Div.	9.5	5.6
Minnesota	CC	3.1
Iowa	AA	(D)
Missouri	1.7	2.5
South Region	9.8	(D)
South Atlantic Div.	8.8	(D)
North Carolina	CC	(1)
Georgia	BB	(D)
West Region	1.6	(D)
Pacific Div.	1.6	(D)
California	AA	2.1
PRESSES, INCLUDING FORGING PRESSES (35422)		
United States	261.3	141.7
Northeast Region	43.2	24.5
New England Div.	11.7	3.4
Massachusetts	BB	(D)
Connecticut	CC	3.0
Middle Atlantic Div.	31.5	21.1
New York	19.3	11.7
New Jersey	AA	3.1
Pennsylvania	EE	6.3
PRESSES, INCLUDING FORGING PRESSES (35422)--Continued		
North Central Region	208.5	113.3
East North Central Div.	202.1	108.6
Ohio	71.0	29.9
Indiana	CC	3.5
Illinois	103.2	61.4
Michigan	EE	11.4
West North Central Div.	6.4	2.7
Minnesota	BB	(1)
Missouri	AA	(D)
Nebraska	AA	(D)
South Region	5.0	2.8
South Atlantic Div.	BB	(D)
Georgia	AA	(D)
West South Central Div.	BB	(D)
Texas	BB	(1)
West Region	4.6	3.2
Pacific Div.	4.6	(D)
California	4.6	(1)
OTHER METAL-FORMING MACHINE TOOLS, INCLUDING FORGING (35423)		
United States	122.9	71.7
Northeast Region	32.6	24.1
New England Div.	16.2	11.3
Vermont	AA	(D)
Massachusetts	BB	(1)
Connecticut	11.2	7.5
Middle Atlantic Div.	16.4	12.8
New York	11.2	6.8
New Jersey	1.3	(1)
Pennsylvania	4.0	(1)
North Central Region	71.0	39.0
East North Central Div.	GG	(D)
Ohio	41.3	21.8
Illinois	14.0	8.7
Michigan	14.7	8.2
South Region	3.6	1.9
South Atlantic Div.	BB	(D)
Maryland	BB	(D)
West Region	15.7	6.7
Pacific Div.	EE	6.7
Washington	BB	(D)
California	EE	(1)
METAL-FORMING MACHINE TOOL PARTS AND REBUILT MACHINERY (35424)		
United States	125.7	118.2
Northeast Region	53.3	44.6
New England Div.	14.6	9.2
Massachusetts	AA	(D)
Connecticut	12.7	5.9
Middle Atlantic Div.	38.7	35.4
New York	16.8	19.4
New Jersey	4.6	2.3
Pennsylvania	17.3	13.7
METAL-FORMING MACHINE TOOL PARTS AND REBUILT MACHINERY (35424)--Continued		
North Central Region	59.5	55.2
East North Central Div.	GG	53.7
Ohio	17.4	19.3
Illinois	27.3	18.6
Michigan	12.8	14.3
South Region	1.9	3.3
West South Central Div.	1.3	(D)
West Region	11.0	15.0
Pacific Div.	11.0	15.0
Washington	BB	(1)
California	CC	(1)
SPECIAL DIES, TOOLS, DIE SETS, JIGS, FIXTURES (35441)		
United States	1 719.8	1 251.7
Northeast Region	334.5	245.3
New England Div.	90.7	64.1
Maine	1.0	(D)
New Hampshire	1.6	2.2
Massachusetts	29.4	22.2
Rhode Island	CC	7.6
Connecticut	49.6	31.4
Middle Atlantic Div.	243.8	181.2
New York	75.3	61.9
New Jersey	51.6	42.8
Pennsylvania	116.9	76.5
North Central Region	1 253.9	921.4
East North Central Div.	1 211.5	891.3
Ohio	278.1	192.9
Indiana	96.8	66.1
Illinois	122.5	102.3
Michigan	670.7	497.6
Wisconsin	43.4	32.5
West North Central Div.	42.4	30.1
Minnesota	15.4	7.5
Iowa	8.1	6.1
Missouri	16.8	15.0
Kansas	1.7	1.1
South Region	51.5	28.0
South Atlantic Div.	23.2	13.5
Maryland	2.1	2.0
North Carolina	6.5	(D)
Georgia	4.2	3.2
Florida	8.3	5.4
East South Central Div.	20.4	7.9
Kentucky	4.0	2.4
Tennessee	14.4	3.7
Alabama	1.7	1.4
West South Central Div.	8.0	6.6
Arkansas	2.0	1.1
Texas	5.0	4.8
West Region	79.8	57.0
Mountain Div.	3.5	2.4
Colorado	1.8	1.0
Arizona	1.6	(D)
Pacific Div.	76.4	54.6
Washington	1.4	(D)
California	74.7	53.7

See footnote at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
INDUSTRIAL MOLDS (35442)		
United States	446.2	220.6
Northeast Region	122.3	69.0
New England Div	42.6	23.1
Massachusetts	23.3	15.1
Rhode Island	1.7	(D)
Connecticut	15.9	7.0
Middle Atlantic Div	79.7	45.9
New York	19.0	11.6
New Jersey	32.3	20.8
Pennsylvania	28.4	13.6
North Central Region	270.0	126.0
East North Central Div	255.9	121.4
Ohio	82.1	47.5
Indiana	24.8	12.9
Illinois	66.3	35.3
Michigan	73.5	22.3
Wisconsin	9.2	3.3
West North Central Div	14.1	4.6
Minnesota	6.9	1.9
Missouri	6.3	(1)
South Region	20.1	7.6
South Atlantic Div	15.2	(D)
Maryland	3.3	(D)
North Carolina	4.0	1.2
South Carolina	AA	(D)
Georgia	1.9	2.3
Florida	3.5	1.9
East South Central Div	2.7	(D)
Alabama	AA	(D)
West South Central Div	2.2	(D)
Texas	1.4	(D)
West Region	33.8	18.0
Pacific Div	33.1	(D)
California	32.5	16.1
SMALL CUTTING TOOLS FOR METAL WORKING MACHINERY (35451)		
United States	770.9	464.4
Northeast Region	256.6	159.0
New England Div	156.7	101.3
New Hampshire	CC	(1)
Vermont	20.7	16.2
Massachusetts	85.8	54.4
Rhode Island	10.4	(1)
Connecticut	34.3	21.1
Middle Atlantic Div	99.9	57.7
New York	24.8	18.0
New Jersey	14.5	7.4
Pennsylvania	60.7	32.3
North Central Region	468.6	287.2
East North Central Div	460.0	283.3
Ohio	103.4	62.3
Indiana	3.5	2.9
Illinois	77.5	53.0
Michigan	271.1	160.6
Wisconsin	4.6	4.5
West North Central Div	8.6	3.9
Minnesota	CC	(1)
Missouri	BB	(1)
SMALL CUTTING TOOLS FOR METAL WORKING MACHINERY (35451)--Continued		
South Region	27.9	11.1
South Atlantic Division	8.5	(D)
North Carolina	BB	(D)
South Carolina	4.2	(D)
Florida	AA	(D)
East South Central Div	11.3	(D)
Kentucky	CC	3.4
Tennessee	BB	(1)
West South Central Div	8.1	(D)
Arkansas	CC	(1)
Texas	AA	(D)
West Region	17.8	7.1
Pacific Division	17.8	(D)
California	EE	(1)
PRECISION MEASURING TOOLS (35452)		
United States	130.8	88.0
Northeast Region	71.2	45.1
New England Div	56.6	38.7
Vermont	CC	(1)
Massachusetts	28.1	16.1
Rhode Island	EE	(1)
Connecticut	7.1	7.8
Middle Atlantic Div	14.6	6.4
New York	CC	5.8
Pennsylvania	CC	(D)
North Central Region	53.9	40.2
East North Central Div	48.8	(D)
Ohio	20.1	14.6
Illinois	BB	5.5
Michigan	21.5	16.3
Wisconsin	BB	(D)
West North Central Div	5.1	(D)
Minnesota	BB	(1)
South Region	BB	(D)
East South Central Div	AA	(D)
Tennessee	AA	(D)
West Region	BB	(D)
Pacific Div	BB	1.6
California	BB	(1)
OTHER ATTACHMENTS, ACCESSORIES FOR MACHINE TOOLS (35453)		
United States	239.5	152.6
Northeast Region	69.3	47.6
New England Div	49.2	31.4
Massachusetts	4.6	3.4
Rhode Island	BB	(1)
Connecticut	40.2	22.0
Middle Atlantic Div	20.1	16.2
New York	16.1	12.0
New Jersey	2.8	1.6
Pennsylvania	1.3	2.6
OTHER ATTACHMENTS, ACCESSORIES FOR MACHINE TOOLS (35453)--Continued		
North Central Region	154.4	(D)
East North Central Div	GG	87.1
Ohio	36.0	21.2
Indiana	14.4	7.8
Illinois	36.8	25.4
Michigan	44.7	27.9
Wisconsin	EE	4.9
West North Central Div	EE	(D)
Missouri	EE	(1)
South Region	1.3	(D)
West Region	14.6	6.2
Pacific Div	14.6	(D)
California	14.6	(1)
ROLLING MILL MACHINERY AND EQUIPMENT (35481)		
United States	330.3	222.2
Northeast Region	181.9	122.2
New England Div	34.1	18.8
Massachusetts	FF	(1)
Connecticut	EE	(1)
Middle Atlantic Div	147.8	103.3
New York	AA	(1)
New Jersey	AA	(D)
Pennsylvania	144.8	101.2
North Central Region	132.7	(D)
East North Central Div	GG	88.7
Ohio	116.9	74.0
Indiana	EE	(1)
Illinois	AA	(D)
Michigan	2.0	(1)
South Region	CC	(D)
South Atlantic Div	CC	(D)
West Virginia	CC	(1)
West Region	CC	(D)
Pacific Div	CC	(D)
Washington	AA	(D)
California	CC	(D)
POWER-DRIVEN HANDTOOLS, INCLUDING PARTS, ATTACHMENTS (35482)		
United States	436.0	319.9
Northeast Region	142.5	94.0
New England Div	31.8	19.9
Massachusetts	EE	(1)
Connecticut	EE	(1)
Middle Atlantic Div	110.7	74.1
New York	FF	(1)
Pennsylvania	GG	(1)
North Central Region	187.3	155.0
East North Central Div	167.3	140.6
Ohio	36.4	27.4
Illinois	91.1	78.0
Michigan	EE	20.3
Wisconsin	19.7	14.2

See footnote at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
POWER-DRIVEN HANDTOOLS INCLUDING PARTS, ATTACHMENTS (35482)--Continued		
North Central Region—Con.		
West North Central Div....	20.0	14.4
Iowa.....	EE	(1)
Missouri.....	CC	(1)
South Region.....	93.0	64.3
South Atlantic Div.....	GG	(D)
Delaware.....	AA	(1)
Maryland.....	GG	(1)
North Carolina.....	BB	(D)
South Carolina.....	FF	(1)
East South Central Div....	BB	(D)
Tennessee.....	BB	(D)
West Region.....	13.2	6.7
Pacific Div.....	EE	6.7
California.....	12.1	(1)
WELDING AND CUTTING APPARATUS, EXCEPT ELECTRIC (35483)		
United States.....	69.6	54.6
Northeast Region.....	31.2	27.8
New England Div.....	AA	(D)
Rhode Island.....	AA	(D)
Middle Atlantic Div.....	FF	(D)
New York.....	AA	(1)
New Jersey.....	FF	(1)
Pennsylvania.....	CC	(1)
North Central Region....	21.3	14.4
East North Central Div....	14.3	9.0
Ohio.....	7.5	4.3
Illinois.....	BB	(1)
Michigan.....	BB	(1)
WELDING AND CUTTING APPARATUS, EXCEPT ELECTRIC (35483)--Continued		
North Central Region—Con.		
West North Central Div....	7.0	5.4
Minnesota.....	CC	(1)
Missouri.....	AA	(1)
South Region.....	EE	1.6
South Atlantic Div.....	AA	(D)
Florida.....	AA	(D)
West South Central Div....	CC	(D)
Texas.....	CC	(D)
West Region.....	CC	10.9
Pacific Div.....	5.8	10.9
California.....	5.8	10.9

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6 D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3541-	Machine tools, metal-cutting types	1,907.8	1,638.7	1,386.4	1,135.2	925.3	592.5	986.4	414.7
35411	Boring machines	127.8	115.4	94.2	76.7	66.3	52.8	114.4	25.8
35412	Drilling machines	128.5	110.6	85.2	73.3	55.3	30.9	86.1	33.5
35413	Gear cutting and finishing machines	67.1	59.9	57.0	47.9	40.9	23.5	48.1	17.7
35414	Grinding and polishing machines (excluding gear tooth grinding, honing, lapping, polishing, and buffing machines)	270.2	244.8	223.2	184.1	144.2	91.4	154.3	56.4
35415	Lathes	360.5	302.8	247.2	207.8	163.4	98.6	206.9	92.9
35416	Milling machines	258.2	202.3	149.7	126.9	112.7	89.4	122.5	35.3
35418	Other machine tools (including those designed primarily for home workshops, laboratories, etc.)	371.9	320.2	265.8	196.2	152.4	98.3	146.7	91.6
35419	Parts for metal-cutting type machine tools sold separately, and rebuilt machine tools	241.0	259.7	239.1	199.7	165.5	88.7	102.0	57.1
35410	Machine tools, metal-cutting types, n.s.k	82.5	(23.0)	24.8	(22.6)	24.4	18.9	5.4	4.4
3542-	Machine tools, metal-forming types	676.6	679.6	568.7	515.1	444.8	289.5	437.8	245.5
35421	Punching, shearing, bending, and forming machines	130.9	106.4	98.2	(80.5)	92.5	68.4	61.9	34.8
35422	Presses, including forging presses	261.3	265.8	214.0	172.1	141.7	79.1	217.4	97.9
35423	Other metal-forming machine tools, including forging machines	122.9	141.1	113.2	77.7	71.7	60.8	89.1	66.1
35424	Parts for metal-forming machine tools and rebuilt metal-forming machinery	125.7	153.8	128.7	170.1	118.2	78.2	66.0	39.1
35420	Machine tools, metal-forming types, n.s.k	35.6	(12.5)	(14.6)	14.7	20.7	3.0	3.4	7.6
3544-	Special dies, tools, jigs, and fixtures	2,520.2	2,520.4	2,138.8	1,880.8	1,608.1	1,320.4	1,181.5	402.9
35441	Special dies and tools, die sets, jigs, and fixtures	[2]1,719.8	2,025.6	1,719.1	1,546.7	1,161.2	[3]1,157.3	1,082.8	378.9
35442	Industrial molds[4]	[2]446.2	342.3	295.4	243.0	311.1	163.0	98.6	24.0
35440	Special dies, tools, jigs, and fixtures, n.s.k	354.2	152.6	124.4	91.1	135.9	([3])	-	-
3545-	Machine tool accessories	1,222.4	1,177.0	979.6	815.0	731.7	470.2	541.0	324.4
35451	Small cutting tools for machine tools and metal-working machinery	770.9	787.8	624.7	519.0	464.4	301.2	291.0	204.8
35452	Precision measuring tools	130.8	119.2	113.8	93.1	88.0	60.9	110.0	36.4
35453	Other attachments and accessories for machine tools and metalworking machinery	239.5	230.9	207.6	177.9	152.6	96.2	140.0	83.2
35450	Machine tool accessories, n.s.k	81.2	(39.0)	(33.5)	25.1	26.7	11.9	-	-
3548-	Metalworking machinery, n.e.c	1,028.0	1,066.3	897.8	820.1	701.9	580.2	399.5	(NA)
35481	Rolling mill machinery and equipment	330.3	344.6	278.4	276.6	222.2	252.2	143.5	96.1
35482	Power-driven handtools, including parts, and attachments	436.0	469.6	407.9	364.8	319.9	210.6	170.5	112.2
35483	Welding and cutting apparatus, except electric	69.6	93.6	77.9	65.3	54.7	38.1	26.8	26.8
35484	Automotive maintenance equipment	58.1	69.0	63.6	54.2	47.7	44.2	44.1	(NA)
35485	Other metalworking machinery	86.2	67.0	54.8	45.2	36.6	17.6	14.6	16.9
35480	Metalworking machinery, n.e.c., n.s.k	47.8	(22.5)	(15.2)	14.0	20.9	17.5	-	(NA)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Diecasting dies (molds) are included in 1967 in product class 35442. For 1966 and prior years, they were included in product class 35441.

[3]Product class 35440 included with product class 35441 for 1958.

[4]Excludes industrial molds made and used in the same establishment.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3541.--MACHINE TOOLS, METAL-CUTTING TYPES					
	Materials, parts, containers, and supplies, total	.....	(X)	657.3	(X)	334.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	58.7	19.0	37.4	10.5
331012	Sheet and strip	...do.....	14.1	3.2	7.7	1.4
331013	Plates	...do.....	36.9	7.2	20.0	3.5
331015	Structural shapes	...do.....	9.0	2.7	3.6	1.1
331017	Wire and wire products	...do.....	(NA)	[1]3.7	(NA)	0.1
331019	All other carbon steel mill shapes and forms	...do.....			4.8	1.7
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	26.7	13.7	17.6	6.9
331029	All other alloy steel mill shapes and forms	...do.....	3.1	3.3	3.5	2.2
331031	Stainless steel	...do.....	2.3	2.0	0.5	0.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	([2])	([2])	0.1	0.1
335790	Insulated wire and cable	Million lbs. (copper content)	2.0	2.5	1.0	0.8
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	(NA)	0.9	0.4	0.4
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(NA)	0.4	0.4	0.3
335127	Pipe and tube	...do.....	([3])	([3])	0.4	0.3
	Aluminum and aluminum base alloy:					
335202	Sheet, plate and foil	...do.....	1.3	1.1	1.1	0.8
335205	Extruded shapes, including extruded rod, bar, tube, etc.	...do.....	0.4	0.4	0.2	0.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder welded tubing, etc.)	...do.....	0.2	0.2	0.1	0.1
331051	Pig iron, excluding silvery iron	1,000 short tons.	13.9	0.9	16.9	1.1
999811	Iron and steel scrap (excluding home scrap)	...do.....	32.2	1.4	21.6	1.0
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do.....	160.2	76.6	98.5	39.8
332300	Steel	...do.....	13.1	10.3	6.6	4.5
336100	Aluminum and aluminum-base alloy	Million lbs.....	(NA)	8.3	2.5	2.6
336200	Copper and copper-base alloy	...do.....	1.6	1.8	2.1	1.9
339100	Iron and steel forgings[4]	1,000 short tons.	8.4	6.7	4.6	3.6
	Electric motors and generators:[4]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	174.4	7.7	12.2	1.2
362115	Other fractional horsepower electric motors	...do.....			93.2	3.5
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	110.8	21.2	67.2	11.3
	Bearings:					
356218	Ball	.....	(X)	12.1	(X)	6.5
356201	Roller	.....	(X)	5.1	(X)	3.9
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	347.2	(X)	187.5
976000	Materials, parts, containers, and supplies, n.s.k.[5]	.....	(X)	97.7	(X)	34.6
	INDUSTRY 3542.--MACHINE TOOLS, METAL-FORMING TYPES					
	Materials, parts, containers, and supplies, total	.....	(X)	256.6	(X)	144.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	39.6	10.8	23.3	6.2
331012	Sheet and strip	...do.....	(NA)	0.9	3.6	1.1
331013	Plates	...do.....	137.9	20.9	86.5	13.0
331015	Structural shapes	...do.....	6.4	1.2	2.0	0.4
331017	Wire and wire products	...do.....	(NA)	0.2	(NA)	0.1
331019	All other carbon steel mill shapes and forms	...do.....	[1]0.6	[1]0.3	0.6	0.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	11.6	5.6	4.0	2.8
331029	All other alloy steel mill shapes and forms	...do.....	3.5	1.5	1.8	0.9
331031	Stainless steel	...do.....	0.6	0.6	0.6	0.7
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	million lbs.....	0.1	0.1	0.3	0.2
335790	Insulated wire and cable	million lbs copper content..	0.2	0.2		

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3542--MACHINE TOOLS, METAL-FORMING TYPES--Con.					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	million lbs.	0.6	0.6	0.2	0.2
335123	Plate, sheet, and strip, including military cups and discs	...do.	(NA)	0.1	0.1	0.1
335127	Pipe and tube	...do.	(3)	(3)	0.1	0.1
	Aluminum and aluminum base alloy:					
335202	Sheet, plate and foil	...do.	0.4	0.4	0.4	0.3
335205	Extruded shapes, including extruded rod, bar, tube, etc.	...do.	(NA)	0.8	0.1	0.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder welded tubing, etc.)	...do.	(NA)	0.1	(NA)	0.1
331051	Pig iron, excluding silvery iron	1,000 short tons.	6.3	0.5	4.0	0.3
999811	Iron and steel scrap (excluding home scrap)	...do.	20.5	0.9	18.8	0.7
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do.	43.5	18.7	23.5	9.7
332300	Steel	...do.	23.9	12.9	9.7	4.9
336100	Aluminum and aluminum-base alloy	million lbs.	1.0	1.1	0.9	0.6
336200	Copper and copper-base alloy	...do.	2.1	2.2	1.7	1.6
339100	Iron and steel forgings[4]	1,000 short tons.	10.1	6.9	7.8	4.8
	Electric motors and generators[4]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.	(NA)	0.4	(NA)	0.2
362115	Other fractional horsepower electric motors	...do.	(NA)	1.4	7.3	0.4
362120	Integral horsepower motors and generators (1 hp. and over)	...do.	26.2	11.1	17.4	5.8
	Bearings:					
356218	Ball		(X)	1.5	(X)	0.6
356201	Roller		(X)	1.6	(X)	1.3
970099	All other materials and components, parts, containers, and supplies consumed		(X)	117.9	(X)	71.3
976000	Materials, parts, containers, and supplies, n.s.k.[5]		(X)	35.2	(X)	15.6
	INDUSTRY 3544.-SPECIAL DIES, TOOLS, JIGS, AND FIXTURES					
	Materials, parts, containers, and supplies, total		(X)	433.4	(X)	281.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	62.5	30.4	64.3	21.9
331012	Sheet and strip	...do.	42.2	10.5	45.0	7.9
331013	Plates	...do.	89.7	19.7	66.2	14.3
331015	Structural shapes	...do.	10.3	2.9	6.1	1.7
331017	Wire and wire products	...do.	(NA)	0.8	0.4	0.3
331019	All other carbon steel mill shapes and forms	...do.	5.6	3.6	8.7	3.5
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.	(NA)	24.1	16.0	19.4
331029	All other alloy steel mill shapes and forms	...do.	5.2	4.6	7.8	5.3
331031	Stainless steel	...do.	2.4	3.4	1.8	2.3
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.	0.6	0.5	(NA)	0.2
335790	Insulated wire and cable	Million lbs. (copper content)	(NA)	0.2		
335102	Rod, bar, and mechanical wire	Million lbs.	1.2	1.1	1.0	1.1
335123	Plate, sheet, and strip, including cups and discs	...do.	1.6	1.5	0.7	0.7
335127	Pipe and tube	...do.	(NA)	0.8	0.2	0.2
	Aluminum and aluminum base alloy:					
335202	Sheet, plate, and foil	...do.	5.8	4.3	2.3	1.7
335205	Extruded shapes, including rod, bar, pipe, tube, etc.	...do.	3.5	2.3	1.5	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, tubing, etc.)	...do.	1.9	0.7	1.0	0.5
339915	Metal powders	...do.	0.2	0.7	(3)	(3)
331051	Pig iron, excluding silvery iron	1,000 short tons.	1.7	0.1	1.3	0.1
999811	Iron and steel scrap (excluding home scrap)	...do.	(2)	(2)	16.3	0.5
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do.	39.5	13.7	40.3	12.9
332300	Steel	...do.	18.7	11.3	7.7	4.8
336100	Aluminum and aluminum-base alloy	Million lbs.	3.9	3.3	3.2	1.9
336200	Copper and copper-base alloy	...do.	3.4	4.1	0.8	0.7
339100	Iron and steel forgings[4]	1,000 short tons.	4.2	3.8	1.1	1.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3544.--SPECIAL DYES, TOOLS, JIGS, AND FIXTURES--CON.					
	Electric motors and generators:[4]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	5.8	0.3	3.3	0.1
362115	Other fractional horsepower electric motors	...do	4.2	0.3	2.3	0.1
362120	Integral horsepower motors and generators (1 hp. and over)	...do	2.4	0.6	1.5	0.5
	Bearings:					
356218	Ball		(X)	0.6	(X)	0.4
356201	Roller		(X)	0.3	(X)	0.6
970099	All other materials and components, parts, containers, and supplies consumed		(X)	120.6	(X)	85.9
976000	Materials, parts, containers, and supplies, n.s.k.[5]		(X)	162.3	(X)	89.7
	INDUSTRY 3545.--MACHINE TOOL ACCESSORIES					
	Materials, parts, containers, and supplies, total		(X)	333.0	(X)	188.6
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	31.0	10.8	32.9	9.0
331012	Sheet and strip	...do	8.5	2.0	1.8	0.6
331013	Plates	...do	5.1	1.5	2.1	0.7
331015	Structural shapes	...do	3.0	1.0	0.9	0.3
331017	Wire and wire products	...do	0.9	0.5	0.5	0.2
331019	All other carbon steel mill shapes and forms	...do	3.4	1.8	3.0	1.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	23.5	44.5	15.0	28.7
331029	All other alloy steel mill shapes and forms	...do	3.4	5.0	5.2	8.0
331031	Stainless steel	...do	0.8	1.4	0.1	0.2
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs	(NA)	0.1	(Z)	0.1
335790	Insulated wire and cable	Million lbs (copper content)	(NA)	0.2		
335102	Rod, bar, and mechanical wire	Million lbs	0.6	0.9	0.3	0.3
335123	Plate, sheet, and strip, including cups and discs	...do	(NA)	0.2		
335127	Pipe and tube	...do	(NA)	0.3		
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	0.3	0.2	0.3	0.1
335205	Extruded shapes, including rod, bar, pipe, tube, etc.	...do	0.2	0.2	1.4	1.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, tubing, etc.)	...do	0.1	0.1		
339915	Metal powders	...do	(2)	(2)	(NA)	(NA)
331051	Pig iron, excluding silvery iron	1,000 short tons	(Z)	(Z)	(NA)	(NA)
999811	Iron and steel scrap (excluding home scrap)	...do	(Z)	(Z)	(NA)	(NA)
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do	13.2	5.9	12.9	5.6
332300	Steel	...do	4.0	4.2	0.6	0.6
336100	Aluminum and aluminum-base alloy	Million lbs	0.6	0.7	0.8	0.8
336200	Copper and copper-base alloy	...do	0.1	0.2	0.1	0.1
339100	Iron and steel forgings[4]	1,000 short tons	4.7	3.8	1.3	1.3
	Electric motors and generators:[4]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	(2)	(2)	(2)	(2)
362115	Other fractional horsepower electric motors	...do	6.1	0.3	13.0	0.4
362120	Integral horsepower motors and generators (1 hp. and over)	...do	(NA)	1.4	4.4	1.1
	Bearings:					
356218	Ball		(X)	0.6	(X)	0.8
356201	Roller		(X)	0.2	(X)	0.2
970099	All other materials and components, parts, containers, and supplies consumed		(X)	170.8	(X)	98.3
976000	Materials, parts, containers, and supplies, n.s.k[5]		(X)	74.2	(X)	28.8

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3548.--METALWORKING MACHINERY, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	401.3	(X)	279.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	31.0	8.2	27.2	5.7
331012	Sheet and strip	...do.....	24.8	5.7	20.2	3.5
331013	Plates	...do.....	66.1	12.0	54.3	8.5
331015	Structural shapes	...do.....	15.8	2.8	11.5	2.1
331017	Wire and wire products	...do.....	0.8	0.9	2.3	0.9
331019	All other carbon steel mill shapes and forms	...do.....	[1]6.0	[1]2.1	6.5	1.2
	Alloy steel (except stainless)					
331021	Bars and bar shapes	...do.....	11.9	5.6	12.3	4.6
331029	All other alloy steel mill shapes and forms	...do.....	5.3	2.4	5.6	2.2
331031	Stainless steel	...do.....	(NA)	0.7	0.2	0.6
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	3.3	2.6	0.7	0.6
335790	Insulated wire and cable	Million lbs. (copper content)	(NA)	3.5	2.2	2.9
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	7.4	5.0	4.4	2.7
335123	Plate, sheet, and strip, including military cups and discs	...do.....	0.2	0.1	0.1	0.1
335127	Pipe and tube	...do.....	([3])	([3])	0.6	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	(NA)	0.7	0.7	0.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	(NA)	1.4	0.1	0.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....			2.2	1.1
339915	Metal powders	...do.....	([2])	([2])	(NA)	(NA)
331051	Pig iron, excluding silvery iron	1,000 short tons.	([2])	([2])	14.6	0.9
999811	Iron and steel scrap (excluding home scrap)	...do.....	([2])	([2])	36.5	1.5
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do.....	18.6	8.8	26.3	9.1
332300	Steel	...do.....	21.8	12.2	20.6	12.0
336100	Aluminum and aluminum-base alloy	Million lbs.....	18.4	15.6	12.4	11.1
336200	Copper and copper-base alloy	...do.....	1.8	1.5	3.0	2.0
339100	Iron and steel forgings[4]	1,000 short tons.	(NA)	8.8	6.1	4.5
	Electric motors and generators:[4]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	([6])	([6])	188.7	2.0
362115	Other fractional horsepower electric motors	...do.....	(NA)	5.9	363.6	4.8
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	(NA)	3.5	7.3	3.7
	Bearings:					
356218	Ball	.....	(X)	8.8	(X)	6.1
356201	Roller	.....	(X)	8.7	(X)	4.1
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	219.1	(X)	152.0
976000	Materials, parts, containers and supplies, n.s.k.[5]	.....	(X)	54.7	(X)	28.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. (Z) Under 50 thousand.

[1]The figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tubes.

[2]Included with material code 970099, "All other materials and components" to avoid disclosing figures for individual companies.

[3]Included with material code 970099, "All other materials and components, etc."

[4]For industry 3541, 35.1 thousand short tons of iron castings (code 332011) were produced and consumed in the same establishment in 1967. No other data are available for 1967 on the quantities of castings, iron and steel forgings, or electric motors and generators produced and consumed in the same establishment. For 1963, the following data are available: industry 3541--iron castings (code 332011), 33.8 thousand short tons; and industry 3548--other fractional horsepower electric motors (code 362115), 2,007.2 thousand units.

[5]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[6]Included with material code 970099, "All other materials and components, etc." The value of these individual materials is less than $2.5 million.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Machine tools, metal-cutting types (SIC 3541)	Special dies, tools, jigs, and fixtures (SIC 3544)	Machine tool accessories (SIC 3545)	Metalworking machinery, n.e.c. (SIC 3548)
	Cost of purchased fuels and electric energy, total....	Million dollars..	14.4	21.2	11.8	8.8
	Cost of puchased fuels, total.....	...do.....	4.8	6.6	3.5	3.7
121005	Coal (anthracite, bituminous, and lignite)					
	Quantity.....	1,000 short tons.	48.8	16.0	(NA)	27.1
	Cost.....	Million dollars..	0.4	0.1	(NA)	0.2
	Fuel oil, total:					
	Quantity.....	1,000 barrels....	276.7	133.2	(NA)	139.5
	Cost.....	Million dollars..	0.9	0.6	(NA)	0.5
291141	Distillate:					
	Quantity.....	1,000 barrels....	134.3	64.7	(NA)	38.2
	Cost.....	Million dollars..	0.5	0.4	(NA)	0.2
291151	Residual:					
	Quantity.....	1,000 barrels....	142.4	68.5	(NA)	101.3
	Cost.....	Million dollars..	0.4	0.2	(NA)	0.3
131300	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):					
	Quantity.....	Million cubic ft.	3,633.2	3,189.1	(NA)	3,526.3
	Cost.....	Million dollars..	2.3	2.1	(NA)	2.1
960011	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.7	0.8	(NA)	0.1
	Fuels, NSK.....	...do.....	0.5	2.9	(NA)	0.8
	Purchased electric energy:					
	Quantity.....	Million kw.-hrs..	677.4	841.8	580.9	428.3
	Cost.....	Million dollars..	9.6	14.6	8.3	5.1
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs..	10.3	0.7	0.8	0.4
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	3,022.3	3,869.0	3,439.4	2,396.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt-hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3541	MACHINE TOOLS, METAL-CUTTING TYPES										
	ENTIRE INDUSTRY	903	87.2	759.9	60.5	131.8	476.5	1 391.3	766.9	2 127.2	78.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	772	66.7	580.3	45.8	98.4	358.4	1 062.9	595.0	1 634.1	61.1
35411	BORING MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	35	6.4	57.2	5.0	11.8	42.2	105.5	50.0	148.3	8.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	15	4.1	34.8	3.2	7.6	25.9	55.9	29.5	82.5	5.8
35412	DRILLING MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	39	6.5	52.8	4.2	9.1	31.3	124.3	70.5	194.3	6.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	1.5	12.9	1.1	2.5	8.5	25.2	16.1	41.8	2.8
35413	GEAR CUTTING AND FINISHING MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	6.0	51.9	4.2	9.5	33.2	78.1	31.5	107.7	4.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	5	.8	5.8	.5	1.0	3.3	7.8	5.0	12.5	.6
35414	GRINDING AND POLISHING MACHINES, EXC. GEAR TOOTH										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	156	9.6	80.3	6.9	15.4	52.7	146.0	67.6	213.1	7.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	122	5.1	42.6	3.8	8.5	28.3	80.0	37.9	116.6	4.2
35415	LATHES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	45	25.1	213.5	17.6	38.8	143.4	376.0	203.7	566.6	22.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	8.9	74.0	6.4	13.6	50.9	129.3	80.7	205.3	8.7
35416	MILLING MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	32	12.6	112.2	7.5	14.6	54.7	230.6	123.2	345.2	9.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	13	3.6	32.2	2.5	4.8	19.0	81.7	39.9	118.3	(D)
35418	OTHER MACHINE TOOLS INCL. HOME WORKSHOP, LAB., ETC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	119	14.5	139.1	10.0	22.2	82.5	237.7	171.3	412.3	13.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	71	7.3	72.8	5.0	11.2	42.3	133.4	100.3	229.3	5.6
35419	PARTS FOR METAL-CUTTING MACH. TOOLS AND REBUILT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	43	1.8	16.1	1.3	3.0	10.9	27.7	15.6	42.1	1.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	31	1.0	8.2	.8	1.7	5.7	14.7	9.4	23.9	.7
3542	MACHINE TOOLS, METAL-FORMING TYPES										
	ENTIRE INDUSTRY	350	29.2	249.6	20.9	46.2	165.0	437.2	295.4	714.0	26.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	290	21.6	186.6	15.6	34.8	125.3	331.5	220.2	538.0	20.3
35421	PUNCHING, SHEARING, BENDING, FORMING MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	60	5.9	49.4	4.2	9.4	31.8	100.5	51.7	146.9	4.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	35	1.8	14.0	1.3	2.8	8.9	30.3	18.8	48.4	1.7
35422	PRESSES, INCLUDING FORGING PRESSES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	43	11.5	100.9	8.3	18.7	70.1	159.0	126.8	283.8	10.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	24	7.3	66.5	5.4	12.4	48.1	95.2	91.4	187.2	6.6
35423	OTHER METAL-FORMING MACHINE TOOLS, INCL. FORGING										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	44	5.9	52.0	4.0	9.0	31.7	98.7	64.0	156.9	6.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	23	1.0	8.4	.7	1.5	5.3	16.6	12.8	27.4	2.1
35424	METAL-FORMING MACH. TOOL PARTS AND REBUILT MACH.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	41	3.9	32.2	2.8	5.7	20.7	52.0	37.0	84.0	3.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	20	.7	5.9	.5	1.2	4.0	11.5	6.8	16.9	.7
3544	SPECIAL DIES, TOOLS, JIGS, AND FIXTURES										
	ENTIRE INDUSTRY	6 615	113.6	1 032.8	95.5	214.2	800.0	1 646.7	577.6	2 202.3	114.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	6 232	99.6	909.3	84.1	188.3	706.0	1 450.4	499.6	1 932.7	100.3
35441	SPECIAL DIES, TOOLS, DIE SETS, JIGS, FIXTURES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	2 219	68.3	654.0	56.5	129.5	504.5	1 025.5	347.5	1 360.9	69.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 927	57.4	554.1	47.7	109.4	430.3	865.3	286.6	1 143.4	58.1
35442	INDUSTRIAL MOLDS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	747	20.5	184.1	17.3	39.4	143.3	284.4	107.4	385.2	26.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	665	17.4	157.4	14.8	33.6	122.9	243.3	86.3	324.8	21.2
3545	MACHINE TOOL ACCESSORIES										
	ENTIRE INDUSTRY	1 141	60.3	479.3	45.2	96.4	324.2	922.8	416.3	1 309.9	55.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 051	45.4	355.4	34.7	73.9	246.0	669.2	269.3	918.0	37.2
35451	SMALL CUTTING TOOLS FOR METALWORKING MACHINERY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	397	40.9	323.1	30.7	65.7	222.1	630.2	295.5	902.5	42.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	332	29.1	230.0	22.5	48.1	162.6	432.6	164.9	583.8	27.1
35452	PRECISION MEASURING TOOLS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	73	6.2	51.9	4.6	10.3	34.6	94.1	33.1	126.6	4.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	60	3.8	29.5	3.0	6.7	21.6	56.2	19.4	73.6	2.0
35453	OTHER ATTACHMENTS, ACCESSORIES FOR MACHINE TOOLS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	108	8.7	71.6	6.2	13.4	45.6	141.4	58.1	195.2	5.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	88	5.9	49.5	4.2	9.1	31.1	91.5	43.4	133.7	4.3
3548	METALWORKING MACHINERY, NEC										
	ENTIRE INDUSTRY	430	46.7	338.0	34.0	69.4	218.8	693.4	478.6	1 158.1	44.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	378	37.7	271.5	27.7	56.7	178.0	563.0	403.8	956.9	36.3
35481	ROLLING MILL MACHINERY AND EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	42	13.5	114.0	10.3	21.9	79.5	208.7	178.6	389.4	13.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	31	10.6	88.9	8.2	17.4	63.5	161.7	145.9	310.9	9.7

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967–Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
35482	POWER-DRIVEN HANDTOOLS, INCL. PARTS, ATTACHMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	69	22.5	143.3	16.2	32.0	91.7	326.0	194.5	506.3	21.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	57	18.8	118.8	13.8	27.4	76.9	274.2	172.4	435.0	18.4
35483	WELDING AND CUTTING APPARATUS, EXCEPT ELECTRIC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	25	2.9	21.0	2.0	4.2	12.5	42.9	24.6	67.6	1.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	21	2.8	20.1	1.9	4.0	12.1	40.6	23.5	64.5	1.3
35484	AUTOMOTIVE MAINTENANCE EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	23	2.2	15.3	1.4	2.8	7.9	34.1	19.5	51.6	2.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	20	1.8	12.4	1.1	2.3	6.5	27.9	16.9	43.4	2.4
35485	OTHER METALWORKING MACHINERY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	38	3.2	27.1	2.3	4.9	16.0	47.1	42.3	90.8	3.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	24	1.7	15.5	1.1	2.5	8.6	25.9	24.8	51.5	2.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

SPECIAL INDUSTRY MACHINERY, EXCEPT METALWORKING MACHINERY

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3551--Food Products Machinery
3552--Textile Machinery
3553--Woodworking Machinery
3554--Paper Industries Machinery
3555--Printing Trades Machinery and Equipment
3559--Special Industry Machinery, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3551--FOOD PRODUCTS MACHINERY

This industry comprises establishments primarily engaged in manufacturing machinery for use by the food products and beverage manufacturing industries in the preparation, canning, or packaging of food products; and parts and attachments for such machinery. Establishments primarily engaged in manufacturing industrial refrigeration machinery are classified in Group 358. For a detailed list of products of industry 3551, refer to table 6A, product codes 3551111 to 3551381.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Food Products Machinery Industry in 1967 totaled $830 million. This included shipments of food products machinery (primary products), valued at $595 million, shipments of other products (secondary products) valued at $84 million, and miscellaneous receipts (mainly resales) of $152 million.

This industry's shipments of food products machinery (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent. Secondary products shipped by this industry in 1967 included special industry machinery, n.e.c. ($21 million), general industrial machinery, n.e.c. ($10 million) and fabricated platework (boiler shop products) ($5 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3551 shipments of food products machinery (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $690 million shipped by all industries. In 1963, the coverage ratio was 87 percent. Other industries shipping food products machinery (primary products) included industry 3559, Special Industry Machinery, N.E.C., $29 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3551, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3552--TEXTILE MACHINERY

This industry comprises establishments primarily engaged in manufacturing machinery for the textile industries, and extra parts, attachments, and accessories. Establishments primarily engaged in manufacturing domestic or industrial sewing machines are classified in industry 3636. For a detailed list of products of industry 3552, refer to table 6A, product codes 3552115 to 3552298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Textile Machinery Industry in 1967 totaled $712 million. This included shipments of textile machinery (primary products), valued at $617 million, shipments of other products (secondary products) valued at $40 million, and miscellaneous receipts (mainly resales) of $54 million.

This industry's shipments of textile machinery (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent. Secondary products shipped by this industry in 1967 included gray iron castings ($7 million), and special industry machinery, n.e.c. ($6 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 63 percent of the total industry shipments are represented by plants specializing in product class 35521, textile machinery; and 32 percent in 35522, parts and attachments for textile machinery.

Industry 3552 shipments of textile machinery (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $653 million shipped by all industries. In 1963, the coverage ratio was 94 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3552, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3553--WOODWORKING MACHINERY

This industry comprises establishments primarily engaged in manufacturing machinery for sawmills, planing mills, cabinet and furniture makers, patternmakers, and veneer workers. Establishments primarily engaged in manufacturing handtools such as planes, axes, drawknives, and handsaws are classified in Group 342; and portable power-driven handtools in industry 3548. For a detailed list of products of industry 3553, refer to table 6A, product codes 3553112 to 3553298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Woodworking Machinery Industry in 1967 totaled $314 million. This included shipments of woodworking machinery (primary products), valued at $238 million, shipments of other products (secondary products) valued at $50 million, and miscellaneous receipts (mainly resales) of $26 million.

This industry's shipments of woodworking machinery (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 77 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 86 percent of the total industry shipments are represented by plants specializing in product class 35531, woodworking machinery (except home workshop).

Industry 3553 shipments of woodworking machinery (primary products) in 1967 represented 87 percent (coverage ratio) of these products valued at $274 million shipped by all industries. In 1963, the coverage ratio was 81 percent. Other industries shipping woodworking machinery (primary products) included industry 3541, Machine Tools, Metal-Cutting Type, $11 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3553, these establishments accounted for 1 percent of payroll and 2 percent of value added by manufacture.

3554--PAPER INDUSTRIES MACHINERY

This industry comprises establishments primarily engaged in manufacturing machinery for the pulp, paper, and paper product industries. Establishments primarily engaged in manufacturing printing trades machinery are classified in industry 3555. For a detailed list of products of industry 3554, refer to table 6A, product codes 3554011 to 3554081.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Paper Industries Machinery Industry in 1967 totaled $551 million. This included shipments of paper industries machinery (primary products), valued at $444 million, shipments of other products (secondary products) valued at $37 million, and miscellaneous receipts (mainly resales) of $70 million.

This industry's shipments of paper industries machinery (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 included special industry machinery, n.e.c. ($12 million) and gray iron castings ($4 million).

Industry 3554 shipments of paper industries machinery (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $515 million shipped by all industries. In 1963, the coverage ratio was 90 percent. Other industries shipping paper industries machinery (primary products) consisted mainly of industry 3559, Special Industry Machinery, N.E.C., $35 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3554, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3555--PRINTING TRADES MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing machinery and equipment used by the printing and bookbinding trades. Establishments primarily engaged in manufacturing textile printing machinery are classified in industry 3552. For a detailed list of products of industry 3555, refer to table 6A, product codes 3555116 to 3555298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Printing Trades Machinery Industry in 1967 totaled $752 million. This included shipments of printing trades machinery (primary products), valued at $619 million, shipments of other products (secondary products) valued at $16 million, and miscellaneous receipts (mainly resales) of $117 million.

This industry's shipments of printing trades machinery (primary products) in 1967 represented 98 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3555 shipments of printing trades machinery (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $656 million shipped by all industries. In 1963, the coverage ratio was 92 percent. Other industries shipping printing trades machinery (primary products) included industry 3069, Fabricated Rubber Products, N.E.C., $9 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3555, these establishments accounted for 1 percent of payroll and 2 percent of value added by manufacture.

3559--SPECIAL INDUSTRY MACHINERY, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing special industry machinery, not elsewhere classified, such as smelting and refining equipment, cementmaking, clayworking, cotton ginning, glass making, hat making, incandescent lamp making, leather working, paintmaking, rubber working, cigar and cigarette making, tobacco working, shoemaking, and stoneworking machinery. For a detailed list of products of industry 3559, refer to table 6A, product codes 3559111 to 3559593.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Special Industry Machinery, N.E.C., Industry in 1967 totaled $1,833 million. This included shipments of special industry machinery, n.e.c. (primary products), valued at $1,350 million, shipments of other products (secondary products) valued at $288 million, and miscellaneous receipts (mainly resales) of $195 million.

This industry's shipments of special industry machinery, n.e.c. (primary products) in 1967 represented 82 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent. Secondary products shipped by this industry in 1967 included general industrial machinery, n.e.c. ($38 million) and paper industries machinery ($35 million) and food products machinery ($29 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Industry 3559 shipments of special industry machinery, n.e.c. (primary products) in 1967 represented 81 percent (coverage ratio) of these products valued at $1,670 million shipped by all industries. In 1963, the coverage ratio was 74 percent. Other industries shipping special industry machinery, n.e.c. (primary products) included industry 3569, General Industrial Machinery, N.E.C., $24 million and industry 3551, Food Products Machinery $21 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3559, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3551.--FOOD PRODUCTS MACHINERY														
1967 Census....	642	280	32.6	249.4	22.0	45.2	147.2	502.9	337.9	830.2	22.0	198.0	88	86
1966 ASM[1].....	(NA)	(NA)	35.4	250.2	23.9	50.0	149.9	519.7	328.5	827.3	18.3	194.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	33.5	231.6	23.4	47.6	136.2	462.8	294.6	750.3	14.3	170.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	32.6	216.9	20.8	43.9	122.6	435.8	287.6	715.0	*20.3	162.2	(NA)	(NA)
1963 Census....	681	279	31.7	205.4	21.0	43.3	118.0	380.4	255.3	640.5	11.0	154.1	86	87
1962 ASM[1].....	(NA)	(NA)	31.9	201.5	21.7	45.6	115.1	365.1	260.8	626.2	11.8	155.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	30.9	187.9	20.9	42.3	103.8	359.7	250.5	588.0	10.5	162.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	30.5	181.3	20.3	42.7	103.6	337.8	227.8	557.3	8.8	135.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	28.7	165.0	19.1	38.8	93.4	300.6	205.9	501.1	9.3	129.3	(NA)	(NA)
1958 Census[2]...	672	240	27.7	152.5	18.2	36.3	86.8	268.6	185.8	456.2	7.8	119.4	87	84
INDUSTRY 3552.--TEXTILE MACHINERY														
1967 Census....	560	239	39.7	253.3	29.4	62.5	169.1	404.1	309.2	711.7	22.2	185.1	94	95
1966 ASM[1].....	(NA)	(NA)	42.7	268.4	31.9	70.9	181.6	455.5	375.3	820.3	25.2	193.6	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	41.2	247.2	30.8	68.1	166.3	408.2	318.6	707.9	20.2	171.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	37.5	212.1	28.2	59.0	142.1	359.4	259.2	605.2	*15.0	145.2	(NA)	(NA)
1963 Census....	561	216	36.0	196.4	26.9	56.1	129.1	314.2	232.3	542.7	13.9	135.3	93	94
1962 ASM[1].....	(NA)	(NA)	38.7	201.7	27.6	60.7	137.7	347.0	230.7	574.9	*15.3	134.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	37.7	192.8	26.5	58.7	129.8	317.8	214.7	530.3	*13.0	131.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	39.3	188.3	28.6	61.6	131.6	325.2	219.4	538.5	*11.4	123.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	35.8	173.6	27.6	58.2	120.6	271.3	186.9	445.5	6.8	115.4	(NA)	(NA)
1958 Census[2]...	553	212	34.3	154.5	25.6	51.2	101.9	214.2	154.2	376.3	8.5	99.2	87	94
INDUSTRY 3553.- WOODWORKING MACHINERY														
1967 Census....	239	88	12.7	83.9	8.8	17.6	50.4	192.8	127.1	314.4	8.2	72.1	83	87
1966 ASM[1].....	(NA)	(NA)	16.3	107.7	12.1	25.5	68.9	230.8	164.1	382.5	9.3	84.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	14.3	91.4	10.5	21.5	58.4	199.7	139.5	339.5	*10.4	69.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	14.0	89.1	10.5	21.8	59.4	181.7	121.9	299.9	5.3	73.7	(NA)	(NA)
1963 Census....	249	91	12.1	72.9	8.7	17.7	45.9	147.0	110.1	252.8	4.7	57.6	77	81
1962 ASM[1].....	(NA)	(NA)	12.3	69.6	9.1	16.9	42.2	141.1	111.5	247.4	*4.6	47.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	10.9	62.1	7.8	14.7	37.1	113.5	88.3	213.0	*7.6	44.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.5	62.4	8.2	15.9	38.3	129.0	92.6	224.4	*3.0	49.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	13.1	69.3	9.1	18.4	43.6	146.4	106.8	245.9	5.2	61.7	(NA)	(NA)
1958 Census[2]...	(NA)	(NA)	12.2	63.4	8.0	15.9	36.9	112.9	88.5	214.4	6.9	51.0	78	86
INDUSTRY 3554.--PAPER INDUSTRIES MACHINERY														
1967 Census....	220	110	21.3	172.5	14.6	31.1	111.6	283.4	265.5	551.4	18.6	138.1	92	86
1966 ASM[1].....	(NA)	(NA)	20.2	162.0	14.0	30.1	102.0	262.6	256.5	502.8	18.7	135.6	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	20.1	153.2	14.1	30.2	95.7	242.7	245.7	483.9	12.2	116.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	19.2	137.2	13.5	28.3	87.7	222.1	219.8	430.1	14.2	115.0	(NA)	(NA)
1963 Census....	217	92	18.6	130.6	12.9	27.2	82.3	217.5	196.5	403.9	10.3	103.2	88	90
1962 ASM[1].....	(NA)	(NA)	19.1	128.5	13.3	27.4	78.2	194.1	203.2	398.6	*9.6	98.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.6	117.9	12.7	25.4	70.4	188.0	182.3	365.0	*9.4	99.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	18.4	117.5	12.9	27.2	73.6	191.0	202.3	380.0	(S)	94.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	16.8	97.4	12.0	24.7	60.7	150.2	167.8	333.3	7.0	72.7	(NA)	(NA)
1958 Census[2]...	202	97	15.7	89.9	11.4	22.7	58.2	123.8	155.6	310.2	4.8	85.6	93	91
INDUSTRY 3555.--PRINTING TRADES MACHINERY														
1967 Census....	522	165	29.2	239.6	20.1	42.2	149.2	458.7	324.8	752.3	32.9	217.2	98	94
1966 ASM[1].....	(NA)	(NA)	27.1	213.6	18.6	39.7	134.7	399.2	262.9	649.1	15.2	171.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	25.5	188.5	17.9	38.1	122.6	345.8	229.1	565.0	20.9	152.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	23.5	170.9	16.4	35.2	111.2	311.4	199.9	502.9	8.3	142.1	(NA)	(NA)
1963 Census....	490	136	23.0	159.4	16.4	34.3	104.4	285.9	170.7	448.4	8.9	129.2	95	92
1962 ASM[1].....	(NA)	(NA)	23.6	159.9	16.5	34.4	99.9	288.5	166.6	460.0	*13.7	112.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	23.2	151.0	16.3	33.3	96.8	270.1	159.6	420.8	9.6	111.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	22.2	143.0	15.6	32.5	92.3	246.7	151.5	399.4	10.2	109.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	20.8	128.0	14.6	31.0	82.2	220.2	128.0	342.9	5.8	101.8	(NA)	(NA)
1958 Census[2]...	442	119	21.5	119.6	15.3	30.0	78.0	188.9	111.7	309.8	8.5	97.0	95	92

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3559.--SPECIAL INDUSTRY MACHINERY, N.E.C.													
1967 Census....	1,129	486	71.3	571.2	46.1	97.8	323.0	1,038.4	818.1	1,833.0	75.4	447.4	82	81
1966 ASM[1].....	(NA)	(NA)	69.5	536.1	46.7	103.9	322.5	981.7	790.1	1,731.2	68.6	403.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	61.2	440.2	41.3	90.5	269.8	805.0	639.3	1,409.8	41.1	311.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	55.2	381.4	38.3	81.3	235.9	699.8	518.2	1,203.0	35.2	264.5	(NA)	(NA)
1963 Census....	1,092	388	50.2	330.1	34.1	70.9	199.4	572.2	443.9	1,015.0	22.5	235.8	83	74
1962 ASM[1].....	(NA)	(NA)	48.9	313.6	34.0	68.3	189.3	527.6	433.9	961.7	17.7	226.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	50.7	314.0	35.0	68.9	187.4	512.5	435.2	960.6	20.0	228.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	53.4	323.0	36.8	75.5	197.0	532.6	436.7	955.9	21.6	234.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	51.3	299.2	35.3	72.5	182.9	494.8	398.3	873.6	17.2	229.9	(NA)	(NA)
1958 Census[2]...	1,048	388	50.8	273.7	34.0	67.3	163.5	431.1	320.1	761.1	17.4	204.2	83	77

Note: In 1967, 1963, and 1958, the number of companies in industry 3551 was 611, 649, and 657, respectively; in industry 3552: 524, 529, and 513; industry 3553: 232, 245, and 251; industry 3554: 206, 204, and 192; industry 3555: 485, 463, and 421; industry 3559: 1,085, 1,074, and 1,025; The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard Notes: (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. (*) These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliablility.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
INDUSTRY 3551.--FOOD PRODUCTS MACHINERY									
1967 Census	7,662	68	2,054	3.26	.41	.71	15,449	50	11.13
1966 ASM	7,063	68	2,090	3.00	.40	.70	14,674	48	10.39
1965 ASM	6,906	70	2,030	2.86	.39	.70	13,797	50	9.73
1964 ASM	6,649	64	2,110	2.79	.40	.71	13,358	50	9.93
1963 Census	6,482	66	2,059	2.73	.40	.72	12,006	54	8.79
1962 ASM	6,307	68	2,102	2.52	.42	.74	11,431	55	8.01
1961 ASM	6,075	68	2,024	2.45	.43	.75	11,626	52	8.50
1960 ASM	5,941	67	2,103	2.42	.41	.73	11,070	54	7.91
1959 ASM	5,752	67	2,025	2.41	.41	.74	10,481	55	7.75
1958 Census	5,503	66	1,995	2.39	.41	.74	9,693	57	7.40
INDUSTRY 3552.--TEXTILE MACHINERY									
1967 Census	6,382	74	2,127	2.70	.43	.79	10,181	63	6.46
1966 ASM	6,287	75	2,223	2.56	.46	.78	10,672	59	6.42
1965 ASM	5,995	75	2,212	2.44	.45	.80	9,899	61	5.99
1964 ASM	5,651	75	2,091	2.41	.43	.78	9,574	59	6.09
1963 Census	5,454	75	2,090	2.30	.43	.79	8,727	63	5.60
1962 ASM	5,214	71	2,203	2.27	.40	.75	8,971	58	5.71
1961 ASM	5,117	70	2,212	2.21	.40	.77	8,432	61	5.41
1960 ASM	4,788	73	2,149	2.14	.41	.76	8,271	58	5.28
1959 ASM	4,854	77	2,106	2.07	.42	.81	7,586	64	4.66
1958 Census	4,504	75	1,999	1.99	.41	.82	6,243	72	4.18
INDUSTRY 3553.--WOODWORKING MACHINERY									
1967 Census	6,621	69	2,003	2.86	.40	.67	15,216	44	10.95
1966 ASM	6,601	74	2,107	2.70	.43	.71	14,148	47	9.03
1965 ASM	6,387	73	2,050	2.71	.41	.68	13,955	46	9.28
1964 ASM	6,360	75	2,076	2.73	.41	.70	12,973	49	8.35
1963 Census	6,049	72	2,024	2.60	.44	.72	12,192	50	8.32
1962 ASM	5,652	74	1,856	2.50	.45	.73	11,462	49	8.35
1961 ASM	5,705	71	1,895	2.52	.41	.71	10,426	55	7.70
1960 ASM	5,421	71	1,954	2.40	.41	.69	11,206	48	8.09
1959 ASM	5,293	70	2,014	2.37	.43	.72	11,180	47	7.95
1958 Census	5,190	66	1,984	2.31	.41	.71	9,243	56	7.08
INDUSTRY 3554.--PAPER INDUSTRIES MACHINERY									
1967 Census	8,085	69	2,130	3.58	.48	.79	13,280	61	9.10
1966 ASM	8,006	69	2,146	3.38	.51	.83	12,975	62	8.72
1965 ASM	7,613	70	2,137	3.17	.51	.82	12,059	63	8.04
1964 ASM	7,128	70	2,098	3.10	.51	.83	11,539	62	7.86
1963 Census	7,020	69	2,109	3.02	.49	.81	11,689	60	7.99
1962 ASM	6,730	69	2,065	2.86	.51	.83	10,164	66	7.09
1961 ASM	6,338	68	1,994	2.77	.50	.82	10,102	63	7.41
1960 ASM	6,370	70	2,111	2.71	.53	.84	10,361	61	7.03
1959 ASM	5,803	72	2,054	2.46	.50	.80	8,946	65	6.09
1958 Census	5,720	72	2,001	2.56	.50	.79	7,876	73	5.45
INDUSTRY 3555.--PRINTING TRADES MACHINERY									
1967 Census	8,214	69	2,095	3.53	.43	.75	15,724	52	10.87
1966 ASM	7,881	69	2,132	3.39	.41	.73	14,728	54	10.05
1965 ASM	7,382	70	2,122	3.22	.41	.74	13,542	55	9.09
1964 ASM	7,280	70	2,150	3.16	.40	.74	13,265	55	8.86
1963 Census	6,945	72	2,085	3.05	.38	.74	12,456	56	8.34
1962 ASM	6,763	70	2,079	2.91	.36	.71	12,202	55	8.39
1961 ASM	6,521	70	2,046	2.90	.38	.74	11,664	56	8.10
1960 ASM	6,431	70	2,092	2.84	.38	.74	11,092	58	7.58
1959 ASM	6,167	70	1,122	2.65	.37	.75	10,606	58	7.10
1958 Census	5,574	71	1,964	2.60	.36	.75	8,804	63	6.30
INDUSTRY 3559.--SPECIAL INDUSTRY MACHINERY, N.E.C.									
1967 Census	8,017	65	2,118	3.30	.45	.76	14,573	55	10.62
1966 ASM	7,712	67	2,225	3.10	.46	.77	14,121	55	9.45
1965 ASM	7,198	67	2,193	2.98	.45	.77	13,162	55	8.90
1964 ASM	6,909	69	2,125	2.90	.43	.75	12,676	55	8.61
1963 Census	6,573	68	2,082	2.81	.44	.76	11,393	58	8.07
1962 ASM	6,408	70	2,008	2.77	.45	.78	10,782	59	7.73
1961 ASM	6,197	69	1,969	2.72	.45	.78	10,115	61	7.44
1960 ASM	6,043	69	2,054	2.61	.46	.79	9,964	61	7.05
1959 ASM	5,383	69	2,058	2.52	.46	.80	9,654	60	6.82
1958 Census	5,382	67	1,977	2.43	.42	.78	8,478	63	6.40

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3551-- FOOD PRODUCTS MACHINERY													
UNITED STATES	642	280	32.6	249.4	22.0	45.2	147.2	502.9	337.9	830.2	22.0	31.7	380.4
NORTHEAST REGION	158	60	5.6	40.1	3.7	7.7	23.4	81.7	51.2	130.7	4.0	6.5	72.4
NEW ENGLAND DIVISION	34	12	1.9	15.1	1.2	2.5	8.2	32.7	19.0	51.0	2.5	2.4	27.1
MASSACHUSETTS	20	8	1.2	9.0	.7	1.5	4.7	20.0	11.4	31.7	2.3	1.8	20.4
CONNECTICUT	10	4	.7	6.0	.5	1.1	3.5	12.5	7.4	19.0	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	124	48	3.6	24.9	2.6	5.2	15.1	49.0	32.3	79.7	1.5	4.1	45.3
NEW YORK	65	23	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	20.4
NEW JERSEY	25	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	34	17	1.1	7.9	.8	1.7	5.0	12.6	10.2	23.1	.9	[2](D)	[2](D)
NORTH CENTRAL REGION	259	122	16.4	132.5	11.0	23.0	76.4	278.9	187.9	458.7	10.0	16.1	213.2
EAST NORTH CENTRAL DIVISION	187	91	13.3	109.6	8.9	18.6	63.1	233.7	149.7	375.9	8.1	13.1	182.7
OHIO	34	18	2.9	23.2	2.0	4.2	14.2	51.2	38.7	88.6	2.5	3.6	44.8
INDIANA	18	6	.8	6.3	.6	1.2	4.3	14.1	8.1	21.9	1.0	.6	9.4
ILLINOIS	78	39	5.1	37.8	3.4	7.1	22.7	66.9	50.7	115.4	1.8	4.3	52.5
MICHIGAN	19	11	2.1	23.6	1.3	2.5	11.3	66.4	23.9	87.5	2.0	2.3	49.7
WISCONSIN	38	17	2.4	18.8	1.6	3.6	10.7	35.1	28.3	62.5	.9	2.3	26.3
WEST NORTH CENTRAL DIVISION	72	31	3.1	22.9	2.1	4.4	13.3	45.2	38.2	82.7	1.9	3.0	30.7
MINNESOTA	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.9
IOWA	14	8	1.2	8.7	.8	1.8	5.2	17.9	16.3	35.6	1.2	1.1	9.3
MISSOURI	26	10	1.0	7.8	.7	1.5	4.7	15.0	10.6	24.8	.3	.9	11.4
KANSAS	8	6	.4	2.5	.3	.5	1.3	4.1	3.9	7.9	.1	.5	4.9
SOUTH REGION	99	51	5.7	38.6	3.8	7.5	22.6	75.8	55.6	133.3	2.2	5.5	55.8
SOUTH ATLANTIC DIVISION	54	34	4.2	27.8	2.8	5.5	16.7	55.4	41.7	99.0	1.6	3.9	38.4
MARYLAND	13	8	1.3	9.5	.9	1.8	7.0	16.6	17.5	36.4	.3	1.3	17.6
VIRGINIA	10	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	15	9	1.0	6.8	.7	1.5	3.9	13.8	9.0	22.8	.3	.9	7.2
FLORIDA	13	9	.9	6.3	.6	1.2	3.4	11.2	7.3	18.6	.8	.9	8.3
EAST SOUTH CENTRAL DIVISION	18	6	.6	4.7	.4	.8	2.6	9.8	4.6	14.2	.2	.4	5.8
KENTUCKY	8	5	.5	4.2	.3	.7	2.3	8.3	3.5	11.6	.2	.4	5.6
WEST SOUTH CENTRAL DIVISION	27	11	.9	6.0	.6	1.2	3.3	10.6	9.4	20.1	.4	1.2	11.6
TEXAS	16	5	.6	4.1	.4	.7	2.1	7.3	6.8	14.4	.3	.9	8.6
WEST REGION	126	47	4.9	38.3	3.5	7.0	24.8	66.5	43.1	107.5	5.8	3.6	38.9
MOUNTAIN DIVISION	13	4	.4	3.2	.3	.6	2.0	5.0	3.6	8.5	.2	(D)	(D)
COLORADO	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	113	43	4.4	35.2	3.1	6.3	22.7	61.5	39.6	99.0	5.6	(D)	(D)
WASHINGTON	10	2	.2	1.6	.2	.4	1.3	3.2	1.8	4.9	(Z)	.2	2.1
CALIFORNIA	93	37	3.8	30.9	2.6	5.3	19.5	53.0	34.9	86.7	5.3	2.7	29.3
HAWAII	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3552-- TEXTILE MACHINERY													
UNITED STATES	560	239	39.7	253.3	29.4	62.5	169.1	404.1	309.2	711.7	22.2	36.0	314.2
NORTHEAST REGION	285	106	22.0	147.7	16.0	33.9	98.7	217.1	162.8	380.5	8.2	23.0	205.3
NEW ENGLAND DIVISION	125	54	12.8	81.6	8.9	18.8	53.7	129.1	98.0	227.3	4.5	14.3	132.3
MAINE	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW HAMPSHIRE	5	5	1.3	8.0	1.0	2.3	5.9	9.9	4.9	15.8	(D)	[2](D)	[2](D)
MASSACHUSETTS	76	34	8.0	50.2	5.7	11.8	34.9	69.3	69.5	141.7	2.8	9.8	88.9
RHODE ISLAND	25	10	2.8	19.7	1.7	3.5	10.3	43.9	18.9	59.2	.8	2.3	26.5
MIDDLE ATLANTIC DIVISION	160	52	9.2	66.1	7.1	15.1	45.0	88.0	64.8	153.3	3.7	8.7	73.1
NEW YORK	47	10	1.1	8.3	.9	1.8	5.2	16.8	13.3	29.9	.3	1.1	12.3
NEW JERSEY	63	18	1.2	8.9	.9	1.9	5.6	13.7	11.9	25.2	.9	1.4	12.8
PENNSYLVANIA	50	24	6.9	48.9	5.2	11.4	34.2	57.4	39.6	98.2	2.5	6.2	47.9
NORTH CENTRAL REGION	26	6	1.5	11.5	1.0	1.8	6.5	18.2	10.2	27.3	1.5	1.1	9.2
EAST NORTH CENTRAL DIVISION	18	5	1.5	11.0	1.0	1.7	6.2	17.4	9.5	25.9	1.5	1.0	8.9
OHIO	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.9
ILLINOIS	8	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	242	126	16.1	93.7	12.4	26.7	63.6	168.3	135.8	302.9	12.5	11.9	99.3
SOUTH ATLANTIC DIVISION	224	119	15.1	87.4	11.7	25.3	59.2	156.7	130.2	286.3	11.5	(D)	(D)
NORTH CAROLINA	127	68	7.4	43.3	5.6	12.3	28.3	87.6	63.0	147.7	8.6	5.3	44.4
SOUTH CAROLINA	59	29	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	38.4
GEORGIA	32	20	1.5	8.6	1.3	2.7	6.2	12.6	13.5	27.0	.4	1.1	8.8
EAST SOUTH CENTRAL DIVISION	16	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	7	5	.7	5.2	.5	1.0	3.6	9.8	5.0	14.4	.8	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3553-- WOODWORKING MACHINERY													
UNITED STATES	239	88	12.7	83.9	8.8	17.6	50.4	192.8	127.1	314.4	8.2	12.1	147.0
NORTHEAST REGION	41	13	1.2	8.5	.8	1.5	4.8	19.3	11.0	29.8	1.2	1.5	12.9
NEW ENGLAND DIVISION	14	3	.2	.8	.1	.2	.5	2.2	2.1	4.2	(Z)	.5	4.3
MIDDLE ATLANTIC DIVISION	27	10	1.0	7.7	.7	1.4	4.3	17.1	8.9	25.6	1.1	1.0	8.6
NEW YORK	9	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.1
NEW JERSEY	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	14	5	.6	3.8	.5	.9	2.8	8.7	7.0	15.4	1.1	[2](D)	[2](D)
NORTH CENTRAL REGION	72	33	3.2	22.4	2.4	5.0	14.9	42.6	31.5	72.6	3.0	4.2	51.7
EAST NORTH CENTRAL DIVISION	63	28	2.8	19.8	2.1	4.4	12.9	36.8	28.5	64.0	2.3	3.2	41.0
OHIO	9	5	.5	3.7	.3	.7	1.9	5.4	7.6	13.0	.3	.4	4.8
INDIANA	9	6	.3	1.9	.2	.4	1.1	4.2	3.3	7.6	.1	.3	3.1
ILLINOIS	19	6	1.1	6.7	.8	1.7	4.7	13.6	8.5	20.9	(D)	1.0	12.6
MICHIGAN	16	4	.4	2.9	.3	.6	1.9	5.2	4.6	9.6	(D)	.9	12.6
WISCONSIN	10	7	.6	4.6	.5	1.1	3.2	8.4	4.6	12.9	.6	.7	7.8
WEST NORTH CENTRAL DIVISION	9	5	.4	2.6	.3	.6	2.0	5.8	3.0	8.6	.7	1.0	10.8
MINNESOTA	5	4	.4	2.4	.3	.6	1.8	5.5	2.9	8.2	.7	[2](D)	[2](D)
SOUTH REGION	54	19	4.3	23.2	2.9	5.9	13.7	76.6	51.2	127.8	2.3	2.2	34.4
SOUTH ATLANTIC DIVISION	21	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	22.1
NORTH CAROLINA	12	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	18	8	2.1	11.5	1.5	3.1	7.1	25.7	29.9	55.4	1.1	.8	8.1
TENNESSEE	6	3	1.1	5.3	.8	1.6	3.6	14.5	15.4	29.0	.5	.3	1.8
ALABAMA[e]	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	15	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	4.2
LOUISIANA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	72	23	3.9	29.7	2.6	5.1	17.0	54.3	33.3	84.2	1.7	4.1	47.9
PACIFIC DIVISION	70	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.1	47.8
WASHINGTON	17	7	.7	5.5	.5	1.1	3.5	8.1	6.6	14.6	.4	.6	6.4
OREGON	33	13	1.5	11.1	1.0	1.8	6.2	23.8	12.6	36.6	.8	1.1	18.1
CALIFORNIA	20	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	23.3
3554-- PAPER INDUSTRIES MACHINERY													
UNITED STATES	220	110	21.3	172.5	14.6	31.1	111.6	283.4	265.5	551.4	18.6	18.6	217.5
NORTHEAST REGION	126	62	11.1	89.2	6.8	14.8	50.2	151.3	125.5	278.2	9.3	10.3	125.3
NEW ENGLAND DIVISION	49	28	4.4	33.9	2.6	5.6	18.0	61.2	42.9	103.9	1.8	4.5	52.6
NEW HAMPSHIRE	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	16.6
MASSACHUSETTS	35	20	2.8	22.0	1.6	3.7	12.0	37.5	31.6	69.2	1.1	2.6	32.9
MIDDLE ATLANTIC DIVISION	77	34	6.7	55.3	4.2	9.2	32.3	90.2	82.6	174.3	7.4	5.8	72.7
NEW YORK	37	14	2.7	21.7	1.6	3.6	12.4	42.1	38.6	80.1	.9	2.5	32.0
NEW JERSEY	20	9	2.2	18.7	1.4	2.9	10.8	30.3	23.0	52.8	1.3	1.9	24.8
PENNSYLVANIA	20	11	1.8	14.9	1.2	2.7	9.1	17.8	20.9	41.4	5.2	1.4	15.9
NORTH CENTRAL REGION	50	27	7.8	63.2	6.0	12.3	47.9	97.1	114.9	214.2	7.1	7.0	79.8
EAST NORTH CENTRAL DIVISION	45	26	7.7	62.5	5.9	12.2	47.5	95.5	114.1	211.8	7.1	6.9	78.7
OHIO	12	6	1.5	12.4	.9	2.0	7.5	16.7	25.5	41.2	1.8	1.4	17.2
INDIANA[e]	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	21	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.3	59.3
SOUTH REGION	25	13	1.5	12.1	1.1	2.5	7.6	21.1	15.6	35.8	2.0	.8	6.9
SOUTH ATLANTIC DIVISION	13	6	1.2	10.1	.9	2.0	6.2	17.3	12.4	29.0	1.3	(D)	5.6
MARYLAND	4	3	.9	7.8	.6	1.5	4.5	13.3	8.9	21.2	1.0	[2](D)	[2](D)
VIRGINIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	7	4	.2	1.1	.1	.3	.8	2.4	2.6	4.9	.5	(D)	(D)
ALABAMA	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	19	8	1.0	7.9	.7	1.5	5.8	13.8	9.5	23.3	.3	.5	5.5
PACIFIC DIVISION	19	8	1.0	7.9	.7	1.5	5.8	13.8	9.5	23.3	.3	.5	5.5
WASHINGTON	4	3	.6	4.4	.4	.8	3.0	7.6	6.2	13.9	.1	[2](D)	[2](D)
CALIFORNIA	11	3	.3	2.8	.3	.5	2.2	5.1	2.5	7.4	.1	[2](D)	[2](D)
3555-- PRINTING TRADES MACHINERY													
UNITED STATES	522	165	29.2	239.6	20.1	42.2	149.2	458.7	324.8	752.3	32.9	23.0	285.9
NORTHEAST REGION	239	78	15.0	124.1	10.8	22.8	80.2	252.8	163.3	401.1	17.1	11.7	143.5
NEW ENGLAND DIVISION	45	17	3.4	27.8	2.5	5.2	17.1	48.3	42.9	92.6	3.3	2.0	23.6
NEW HAMPSHIRE	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	25	10	1.6	12.5	1.2	2.1	7.2	19.4	22.4	43.3	.9	[2](D)	[2](D)
CONNECTICUT	13	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	12.3

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3555-- PRINTING TRADES MACHINERY--CON.													
MIDDLE ATLANTIC DIVISION	194	61	11.6	96.3	8.3	17.6	63.1	204.5	120.4	308.5	13.8	9.7	119.9
NEW YORK	106	27	6.5	55.8	4.8	9.7	37.1	112.0	60.8	165.8	2.9	5.4	71.7
NEW JERSEY	61	21	2.8	23.5	1.9	4.4	14.9	57.3	37.4	86.8	7.1	2.4	28.5
PENNSYLVANIA	27	13	2.3	17.0	1.6	3.5	11.0	35.2	22.2	56.0	3.8	1.9	19.7
NORTH CENTRAL REGION	174	61	11.9	99.5	8.0	16.7	60.7	171.2	139.5	304.7	8.9	9.6	119.8
EAST NORTH CENTRAL DIVISION	140	53	10.2	86.8	7.1	14.7	55.6	148.0	122.4	266.9	7.2	8.7	110.1
OHIO	40	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	35.0
ILLINOIS	68	29	6.1	53.2	4.1	8.4	33.3	76.9	81.5	157.7	3.2	5.4	65.9
MICHIGAN	17	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	7.6
WISCONSIN	8	3	.2	1.6	.1	.3	.9	3.2	1.7	4.5	(Z)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	34	8	1.7	12.7	.9	1.9	5.1	23.3	17.1	37.9	1.8	.9	9.7
MINNESOTA	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	16	1	.7	4.7	.2	.4	1.3	6.5	8.0	14.0	.5	.5	5.6
KANSAS	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	62	15	1.4	9.8	.9	1.8	5.1	23.0	15.9	30.4	6.0	.6	12.0
SOUTH ATLANTIC DIVISION	32	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.5
VIRGINIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	19	5	.8	5.8	.4	.8	2.3	12.7	11.9	16.1	5.8	.3	8.1
TEXAS	14	5	.7	5.6	.4	.8	2.2	11.8	11.5	14.8	5.7	.2	7.6
WEST REGION	47	11	.8	6.2	.4	.9	3.1	11.6	6.0	16.0	.8	1.1	10.6
PACIFIC DIVISION	43	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	38	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	9.8
3559-- SPECIAL INDUSTRY MACHINERY, NEC													
UNITED STATES	1 129	486	71.3	571.2	46.2	97.8	323.0	1 038.4	818.1	1 833.0	75.4	50.2	572.2
NORTHEAST REGION	406	183	31.4	252.1	20.3	43.2	143.9	441.5	332.3	769.0	26.7	21.0	234.6
NEW ENGLAND DIVISION	125	55	12.0	97.0	7.8	16.7	56.0	159.6	104.3	264.3	8.3	8.0	84.4
MAINE	9	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	71	34	7.8	62.1	5.0	10.7	35.8	100.8	55.1	154.4	4.9	5.1	47.0
RHODE ISLAND	9	4	.7	5.2	.4	1.0	3.0	6.5	5.4	13.1	(D)	.2	1.4
CONNECTICUT	34	14	3.1	27.5	2.1	4.4	15.6	49.0	41.3	91.4	2.8	2.5	34.8
MIDDLE ATLANTIC DIVISION	281	128	19.5	155.1	12.6	26.6	87.9	282.0	228.0	504.7	18.5	13.0	150.2
NEW YORK	84	30	5.3	44.7	3.5	7.2	26.4	79.9	58.8	138.3	5.1	3.9	48.6
NEW JERSEY	108	51	6.2	49.7	4.1	8.7	28.0	89.8	73.1	160.9	5.8	5.1	56.3
PENNSYLVANIA	89	47	7.9	60.6	5.0	10.7	33.5	112.3	96.1	205.4	7.5	4.1	45.3
NORTH CENTRAL REGION	393	185	23.8	191.2	16.1	34.3	117.3	375.5	300.0	669.4	20.2	18.3	219.0
EAST NORTH CENTRAL DIVISION	340	164	22.3	180.2	14.9	31.9	110.2	350.0	284.4	628.6	18.9	16.9	203.3
OHIO	119	59	9.0	70.7	6.2	13.3	43.5	121.7	110.7	234.3	7.1	8.2	96.5
INDIANA	32	12	4.0	32.9	2.7	5.8	21.2	66.8	33.4	97.7	4.1	2.0	21.2
ILLINOIS	88	40	3.7	31.3	2.4	5.0	18.7	66.6	42.0	102.3	3.1	2.9	34.8
MICHIGAN	75	42	4.3	36.4	2.8	6.1	21.5	75.7	82.1	159.4	3.9	3.0	39.5
WISCONSIN	26	11	1.2	8.9	.8	1.7	5.3	19.2	16.2	35.0	.7	.8	11.4
WEST NORTH CENTRAL DIVISION	53	21	1.5	11.0	1.1	2.4	7.0	25.5	15.6	40.8	1.2	1.4	15.7
MINNESOTA	13	8	.5	4.4	.4	.8	2.6	10.6	4.9	15.3	.4	.3	3.5
IOWA	15	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.9
MISSOURI	17	3	.2	1.2	.1	.3	.9	2.2	1.6	3.8	.1	.4	3.5
KANSAS	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	163	72	9.5	68.1	6.3	13.5	38.9	110.3	93.0	201.8	8.4	8.1	83.5
SOUTH ATLANTIC DIVISION	65	33	4.6	35.5	3.0	6.2	18.7	52.3	49.5	103.2	2.7	3.8	38.7
DELAWARE	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MARYLAND	7	4	1.5	11.3	.9	1.9	6.0	17.4	17.8	35.0	(D)	[2](D)	[2](D)
VIRGINIA	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] .2	[2] 1.6
WEST VIRGINIA	5	3	.2	1.1	.2	.3	.9	3.0	.8	3.8	(D)	(D)	[2](D)
NORTH CAROLINA	7	6	.6	4.1	.5	1.0	2.5	8.6	6.6	16.5	.2	.6	5.2
GEORGIA	10	4	.6	4.3	.4	.8	2.0	6.4	3.9	11.1	.2	.8	8.8
FLORIDA	18	6	.6	5.2	.4	.8	2.6	5.5	12.3	17.3	.9	.2	3.3
EAST SOUTH CENTRAL DIVISION	32	14	1.9	12.0	1.4	2.7	7.6	22.1	18.3	37.6	2.6	1.5	17.5
KENTUCKY	13	8	.7	4.7	.5	1.0	3.0	10.0	9.2	18.3	.2	[2](D)	[2](D)
TENNESSEE	10	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.2
ALABAMA	7	3	1.0	5.8	.7	1.3	3.8	9.8	7.9	15.7	(D)	.9	10.1
WEST SOUTH CENTRAL DIVISION	66	25	3.0	20.6	2.0	4.6	12.6	35.9	25.2	61.1	3.1	2.8	27.4
OKLAHOMA	14	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.7
TEXAS	49	19	2.3	15.7	1.5	3.5	9.4	24.3	19.0	43.7	(D)	2.3	21.0
WEST REGION	167	46	6.6	59.8	3.4	6.8	22.9	111.1	92.9	192.7	20.1	2.8	35.0
MOUNTAIN DIVISION[e]	15	4	.3	2.2	.2	.3	.7	4.0	6.2	10.2	(Z)	.2	1.5
COLORADO[e]	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	152	42	6.3	57.6	3.3	6.4	22.2	107.1	86.6	182.5	20.1	2.6	33.5
WASHINGTON	12	3	.5	3.8	.3	.6	2.2	6.3	5.0	11.7	.2	.4	4.2
CALIFORNIA	128	35	5.4	51.2	2.7	5.4	18.4	96.7	77.6	162.7	19.9	1.9	25.0

See footnotes on next page.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

Footnotes for table 2--35D

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Food products machinery (SIC 3551)	Textile machinery (SIC 3552)	Woodworking machinery (SIC 3553)	Paper industries (SIC 3554)	Printing trades machinery (SIC 3555)	Special industry machinery, n.e.c. (SIC 3559)
PRIMARY PRODUCT SPECIALIZATION RATIO[1] . . . . PERCENT	.88	.94	.83	.92	.98	.82
COVERAGE RATIO[2] . . . . . .DO	.86	.95	.87	.86	.94	.81
ESTABLISHMENTS, TOTAL . . . . . .NUMBER	642	560	239	220	522	1 129
WITH 1 TO 19 EMPLOYEES . . . . . .DO	362	321	151	110	357	643
WITH 20 TO 99 EMPLOYEES . . . . . .DO	193	179	62	68	107	330
WITH 100 EMPLOYEES OR MORE . . . . . .DO	87	60	26	42	58	156
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	32.6	39.7	12.7	21.3	29.2	71.3
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	249.4	253.3	83.9	172.5	239.6	571.2
PRODUCTION WORKERS:						
AVERAGE FOR YEAR 1,000	22.0	29.4	8.8	14.6	20.1	46.1
MARCH . . . . . .DO	22.1	31.4	9.3	14.8	19.8	46.4
MAY . . . . . .DO	22.4	29.9	8.8	14.7	20.1	46.3
AUGUST . . . . . .DO	22.1	28.5	8.6	14.8	20.3	46.3
NOVEMBER . . . . . .DO	21.5	27.8	8.4	14.2	20.4	45.4
MAN-HOURS . . . . . .MILLIONS	45.2	62.5	17.6	31.1	42.2	97.8
JANUARY-MARCH . . . . . .DO	11.3	17.1	4.7	8.1	10.6	25.2
APRIL-JUNE . . . . . .DO	11.9	15.9	4.5	7.9	10.9	25.3
JULY-SEPTEMBER . . . . . .DO	11.0	14.4	4.1	7.4	10.0	23.3
OCTOBER-DECEMBER . . . . . .DO	11.0	15.1	4.3	7.7	10.8	24.0
WAGES . . . . . MILLION DOLLARS	147.2	169.1	50.4	111.6	149.2	323.0
COST OF MATERIALS, ETC., TOTAL . . . . . .DO	337.9	309.2	127.1	265.5	324.8	818.1
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . .DO	272.1	277.9	108.2	223.1	234.2	670.4
COST OF RESALES . . . . . .DO	48.4	18.4	12.5	29.1	71.2	90.1
FUELS CONSUMED . . . . . .DO	2.1	2.6	.7	1.6	1.2	4.7
PURCHASED ELECTRIC ENERGY . . . . . .DO	3.0	3.9	1.4	2.4	2.7	8.4
CONTRACT WORK . . . . . .DO	12.3	6.3	4.3	9.3	15.5	44.5
VALUE OF SHIPMENTS, INCLUDING RESALES . . . . .DO	830.2	711.7	314.4	551.4	752.3	1 833.0
VALUE OF RESALES . . . . . .DO	65.4	26.1	15.6	36.8	93.3	112.7
VALUE ADDED BY MANUFACTURE . . . . . .DO	502.9	404.1	192.8	283.4	458.7	1 038.4
MANUFACTURERS' INVENTORIES:						
BEGINNING OF YEAR, TOTAL . . . . . .DO	184.4	185.2	70.2	135.8	178.3	412.6
FINISHED PRODUCTS . . . . . .DO	61.8	62.3	19.7	19.8	54.3	109.1
WORK IN PROCESS . . . . . .DO	76.2	76.8	28.0	77.8	91.4	203.6
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	46.4	46.1	22.4	38.1	32.5	99.9
END OF YEAR, TOTAL . . . . . .DO	198.0	185.1	72.1	138.1	217.2	447.4
FINISHED PRODUCTS . . . . . .DO	68.3	67.1	23.7	23.2	67.9	126.2
WORK IN PROCESS . . . . . .DO	80.3	73.5	29.5	71.8	109.0	210.1
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	49.4	44.6	18.9	43.0	40.3	111.1
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . .DO	22.9	24.3	8.9	19.5	35.7	79.9
NEW PLANT AND EQUIPMENT, TOTAL . . . . . .DO	22.0	22.2	8.2	18.6	32.9	75.4
NEW STRUCTURES AND ADDITIONS TO PLANT . . . .DO	5.7	7.5	2.2	5.3	11.0	31.2
NEW MACHINERY AND EQUIPMENT . . . . . .DO	16.2	14.7	6.0	13.3	21.9	44.2
USED PLANT AND EQUIPMENT . . . . . .DO	.8	1.9	.7	.8	2.6	4.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding)in computer operations. See Appendix, Explanation of Terms.

Standard Notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					
3551-- FOOD PRODUCTS MACHINERY											
ESTABLISHMENTS, TOTAL	642	32.6	249.4	22.0	45.2	147.2	502.9	337.9	830.2	22.0	198.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	188	.3	2.2	.3	.5	1.5	4.9	3.5	8.4	(Z)	1.5
5 TO 9 EMPLOYEES [e]	88	.6	4.6	.5	.9	3.0	9.2	6.8	15.9	.2	2.7
10 TO 19 EMPLOYEES	86	1.2	8.4	.9	1.8	5.5	17.5	13.0	30.0	.4	4.7
20 TO 49 EMPLOYEES	135	4.5	31.8	3.4	6.7	21.5	55.7	40.0	95.0	3.3	15.5
50 TO 99 EMPLOYEES	58	4.1	29.0	2.9	5.9	18.5	53.8	38.5	91.2	2.1	18.8
100 TO 249 EMPLOYEES	62	9.1	67.3	6.1	12.7	39.4	133.1	103.2	232.3	5.6	55.8
250 TO 499 EMPLOYEES	16	5.6	48.6	3.4	7.0	23.7	119.6	53.5	165.9	3.2	51.3
500 TO 999 EMPLOYEES	7	7.1	57.5	4.5	9.6	34.1	109.1	79.4	191.5	7.1	47.7
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	204	.5	3.2	.5	.8	2.2	6.7	4.9	11.6	.1	2.2
3552-- TEXTILE MACHINERY											
ESTABLISHMENTS, TOTAL	560	39.7	253.3	29.4	62.5	169.1	404.1	309.2	711.7	22.2	185.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	178	.3	2.1	.3	.5	1.4	4.6	3.4	8.0	.1	1.6
5 TO 9 EMPLOYEES [e]	74	.5	3.5	.4	.8	2.2	6.4	5.3	11.6	.3	1.6
10 TO 19 EMPLOYEES	69	1.0	6.1	.7	1.5	4.0	10.4	6.8	17.0	.5	1.9
20 TO 49 EMPLOYEES	120	3.8	23.7	2.9	6.1	15.1	39.7	33.9	73.5	2.8	10.9
50 TO 99 EMPLOYEES	59	4.2	26.0	3.2	6.6	17.1	40.6	31.6	72.3	1.7	14.7
100 TO 249 EMPLOYEES	26	4.2	27.2	3.3	7.1	18.6	46.0	35.6	81.5	1.9	13.9
250 TO 499 EMPLOYEES	20	6.7	44.2	4.8	10.8	28.7	73.9	62.0	133.2	6.6	39.3
500 TO 999 EMPLOYEES	7	4.7	30.5	3.6	7.9	21.9	50.1	26.9	77.5	2.7	23.2
1,000 TO 2,499 EMPLOYEES	6	14.4	90.0	10.1	21.3	60.1	132.3	103.7	237.1	5.6	78.1
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	183	.4	2.6	.4	.7	1.7	5.1	3.9	9.0	.2	2.0
3553-- WOODWORKING MACHINERY											
ESTABLISHMENTS, TOTAL	239	12.7	83.9	8.8	17.6	50.4	192.8	127.1	314.4	8.2	72.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	81	.2	1.1	.1	.2	.7	2.7	2.5	5.2	.2	.9
5 TO 9 EMPLOYEES [e]	39	.3	1.9	.2	.4	1.2	4.6	3.4	7.9	.2	1.1
10 TO 19 EMPLOYEES	31	.5	3.2	.3	.7	2.2	5.2	4.2	9.2	.3	1.3
20 TO 49 EMPLOYEES	39	1.2	7.7	.9	1.9	5.3	13.5	9.4	22.9	.3	4.9
50 TO 99 EMPLOYEES	23	1.6	11.6	1.1	2.2	7.0	20.8	17.5	37.2	.9	7.8
100 TO 249 EMPLOYEES	15	2.6	18.7	1.7	3.5	10.8	32.7	25.2	58.1	2.0	13.5
250 TO 499 EMPLOYEES	5	1.8	11.3	1.4	2.9	7.7	24.2	27.9	51.6	2.0	16.7
500 TO 999 EMPLOYEES	5	4.6	28.3	3.0	5.8	15.6	89.1	37.0	123.3	2.3	25.9
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	76	.2	1.2	.2	.3	.8	3.0	2.4	5.4	.1	1.0
3554-- PAPER INDUSTRIES MACHINERY											
ESTABLISHMENTS, TOTAL	220	21.3	172.5	14.6	31.1	111.6	283.4	265.5	551.4	18.6	138.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	52	.1	.7	.1	.1	.5	1.5	1.4	2.9	.1	.6
5 TO 9 EMPLOYEES	22	.2	1.4	.1	.2	.9	2.9	2.7	5.6	.1	.8
10 TO 19 EMPLOYEES	36	.5	3.6	.4	.8	2.5	5.6	3.8	9.3	.2	1.5
20 TO 49 EMPLOYEES	41	1.3	9.8	1.0	2.1	6.7	17.4	10.9	28.1	1.3	4.1
50 TO 99 EMPLOYEES	27	1.8	13.5	1.3	2.8	8.8	25.2	19.9	44.8	1.3	7.6
100 TO 249 EMPLOYEES	19	3.1	25.1	2.1	4.5	15.6	45.2	31.7	77.2	1.7	19.3
250 TO 499 EMPLOYEES	13	4.5	36.4	2.7	5.9	20.3	53.9	52.2	106.9	6.2	29.5
500 TO 999 EMPLOYEES	8	9.7	82.0	6.9	14.7	56.3	131.6	143.0	276.6	7.6	74.7
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	45	.1	1.1	.1	.2	.7	1.7	1.6	3.3	.1	.7
3555-- PRINTING TRADES MACHINERY											
ESTABLISHMENTS, TOTAL	522	29.2	239.6	20.1	42.2	149.2	458.7	324.8	752.3	32.9	217.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	198	.3	2.6	.3	.5	1.8	5.7	4.1	9.7	2.1	2.3
5 TO 9 EMPLOYEES [e]	70	.5	3.6	.4	.7	2.4	8.1	4.8	12.8	(D)	2.2
10 TO 19 EMPLOYEES	89	1.2	9.1	.9	1.9	6.3	16.9	11.8	28.3	.7	2.8
20 TO 49 EMPLOYEES	82	2.4	18.9	1.7	3.6	12.3	32.3	21.5	53.8	1.1	8.6
50 TO 99 EMPLOYEES	25	1.7	13.4	1.1	2.5	7.6	27.4	18.9	45.0	1.1	9.5
100 TO 249 EMPLOYEES	26	4.3	33.4	2.9	5.9	19.4	69.0	39.1	97.6	9.1	34.0
250 TO 499 EMPLOYEES	18	6.6	51.7	4.5	9.9	30.6	108.8	72.5	169.6	11.0	60.5
500 TO 999 EMPLOYEES	11	12.1	106.9	8.4	17.1	68.7	190.6	152.2	335.3	7.7	97.3
1,000 TO 2,499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	201	.5	3.5	.5	.7	2.4	7.4	4.5	11.9	.2	3.1

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967–Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3559-- SPECIAL INDUSTRY MACHINERY, NEC											
ESTABLISHMENTS, TOTAL	1 129	71.3	571.2	46.1	97.8	323.0	1 038.4	818.1	1 833.0	75.4	447.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	328	.5	4.1	.5	.8	2.4	11.0	8.5	19.4	.5	4.2
5 TO 9 EMPLOYEES	121	.8	6.1	.6	1.2	3.7	12.2	9.5	21.4	1.0	3.4
10 TO 19 EMPLOYEES	194	2.7	19.9	2.0	3.9	12.8	38.4	27.2	65.1	1.8	7.3
20 TO 49 EMPLOYEES	207	6.4	49.9	4.5	9.5	30.0	94.3	67.2	160.6	4.9	25.6
50 TO 99 EMPLOYEES	123	8.6	66.1	6.0	12.9	41.1	122.9	92.7	213.0	5.1	46.1
100 TO 249 EMPLOYEES	91	13.5	107.4	9.1	19.8	61.9	208.0	179.3	383.7	11.6	76.2
250 TO 499 EMPLOYEES	39	13.7	104.4	8.3	17.5	58.4	191.1	187.3	385.3	10.8	78.1
500 TO 999 EMPLOYEES	17	11.6	94.5	7.2	15.6	52.6	169.9	128.9	291.1	12.1	91.7
1,000 TO 2,499 EMPLOYEES	9	13.4	119.0	7.8	16.6	59.9	190.6	117.5	293.2	27.5	114.8
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN.RECORDS[1] [e]	302	.6	4.3	.6	.8	2.6	10.0	7.9	17.9	.4	4.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.) - Represents zero.

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments: Total (million dollars)	Value of shipments: Primary products (million dollars)	Value of shipments: Secondary products (million dollars)	Value of shipments: Miscellaneous receipts (million dollars)	Value of shipments: Primary product specialization ratio Col. B / Col. B+C (percent)	Value of primary product shipments: Total, made in all industries (million dollars)	Value of primary product shipments: Made in this industry (million dollars)	Value of primary product shipments: Made in other industries (million dollars)	Value of primary product shipments: Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3551	Food products machinery.....1967..	830.2	594.9	83.7	151.6	.88	689.9	594.9	95.0	.86
	1963..	640.5	450.6	71.9	118.1	.86	517.3	450.6	66.7	.87
3552	Textile machinery.....1967..	711.7	617.1	40.5	54.1	.94	652.6	617.1	35.5	.95
	1963..	542.7	467.9	37.9	36.9	.93	499.1	467.9	31.2	.94
3553	Woodworking machinery.....1967..	314.4	238.0	49.9	26.5	.83	274.4	238.0	36.4	.87
	1963..	252.8	178.9	52.3	21.6	.77	220.8	178.9	41.9	.81
3554	Paper industries machinery.....1967..	551.4	444.4	37.0	70.0	.92	515.1	444.4	70.7	.86
	1963..	403.9	312.8	41.9	49.2	.88	347.6	312.8	34.8	.90
3555	Printing trades machinery.....1967..	752.3	619.2	15.8	117.3	.98	656.0	619.2	36.8	.94
	1963..	448.4	369.5	17.7	61.2	.95	403.2	369.5	33.7	.92
3559	Special industry machinery, n.e.c.....1967..	1,833.0	1,349.7	287.9	195.4	.82	1,670.3	1,349.7	320.5	.81
	1963..	1,015.0	734.3	150.4	130.3	.83	988.4	734.3	254.0	.74

Note: See Appendix, Explanation of Terms, for discussion of items.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product class code	Class of products and miscellaneous receipts	All industries	Food products machinery (SIC 3551)	Textile machinery (SIC 3552)	Woodworking machinery (SIC 3553)	Paper industries machinery (SIC 3554)	Printing trades machinery (SIC 3555)	Special industry machinery, n.e.c. (SIC 3559)	All other industries
	Total shipments and miscellaneous receipts	(X)	830.2	711.7	314.4	551.4	752.3	1,833.0	(X)
3551-	Food products machinery	689.9	594.9	1.7	-	(D)	(D)	29.1	58.8
35511	Dairy and milk products plant machinery and equipment	77.7	69.9	-	-	(Z)	-	0.6	7.2
35512	Commercial food products machinery	146.4	126.1	(D)	-	(D)	-	4.9	14.3
35513	Other industrial food products machinery, including parts and attachments for all types of industrial food products machinery	391.2	331.5	(D)	-	(D)	(D)	23.6	30.1
35510	Food products machinery, n.s.k	74.7	67.5	-	-	-	-	-	7.2
3552-	Textile machinery	652.6	(D)	617.1	-	(D)	2.1	3.7	25.5
35521	Textile machinery	348.8	(D)	338.4	-	(D)	(D)	(D)	4.5
35522	Parts and attachments for textile machinery	267.4	(D)	242.7	-	(D)	(D)	(D)	20.6
35520	Textile machinery, n.s.k	36.4	-	36.0	-	-	-	(Z)	0.4
3553-	Woodworking machinery	274.4	(under 2)	-	238.0	1.4	(Z)	(under 2)	34.6
35531	Woodworking machinery (except home workshop), including parts and attachments	231.2	(D)	-	198.4	1.4	(Z)	(D)	31.0
35532	Woodworking machinery for home workshop (except power-driven handtools), including parts and attachments	29.1	-	-	39.6	-	-	-	3.6
35530	Woodworking machinery, n.s.k	14.1	(Z)	-		-	-	-	
3554-	Paper industries machinery	515.1	2.4	(D)	(D)	444.4	-	34.7	31.4
3555-	Printing trades machinery	656.0	-	-	-	(over 2)	619.2	(under 2)	(over 2)
35551	Printing presses	263.6	-	-	-	(D)	257.2	(D)	(D)
35552	Other printing trades machinery, including parts and attachments	354.3	-	-	-	(D)	324.2	(D)	(D)
35550	Printing trades machinery, n.s.k	38.1	-	-	-	-	37.8	-	0.3
3559-	Special industry machinery, n.e.c	1,670.3	20.8	6.5	(D)	11.7	(D)	1,349.7	278.8
35591	Chemical manufacturing industries machinery and equipment, and parts	284.5	13.3	(D)	-	(D)	-	232.4	36.1
35592	Foundry machinery, and equipment, excluding patterns and molds	143.9	-	(D)	-	-	-	129.3	(D)
35593	Plastics-working machinery and equipment, excluding patterns and molds	247.6	(D)	0.6	(D)	(D)	-	201.2	(D)
35594	Rubber-working machinery and equipment, excluding the molds	116.6	(D)	(D)	(D)	(D)	(D)	104.2	(D)
35595	Other special industrial machinery and equipment	778.6	(D)	3.6	(D)	(D)	(D)	586.4	183.7
35590	Special industry machinery, n.s.k	99.0	-	-	-	-	-	96.2	2.8
	Other product shipments by 4-digit product groups								
2899-	Chemical preparations, n.e.c	(X)	-	-	-	-	-	(10-20)	(X)
3291-	Abrasive products	(X)	-	-	-	-	-	(5-10)	(X)
3321-	Gray iron castings	(X)	0.8	6.9	(under 2)	3.7	-	5.4	(X)
3322-	Malleable iron castings	(X)	-	-	(under 2)	-	-	(over 2)	(X)
3433-	Heating equipment, except electric	(X)	-	-	-	(under 2)	-	2.8	(X)
3441-	Fabricated structural steel	(X)	1.7	-	-	-	-	(2-5)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	5.2	-	-	(under 2)	-	6.9	(X)
3452-	Bolts, nuts, rivets, and washers	(X)	(under 2)	(under 2)	(2-5)	-	-	(under 2)	(X)
3481-	Miscellaneous fabricated wire products	(X)	(under 2)	(under 2)	-	(over 2)	-	(under 2)	(X)
3491-	Metal barrels, drums, and pails	(X)	-	-	-	-	-	(over 2)	(X)
3494-	Valves and pipe fittings	(X)	(under 2)	(over 2)	-	(under 2)	-	(under 2)	(X)
3499-	Fabricated metal products, n.e.c	(X)	(under 2)	-	-	(under 2)	-	(20-50)	(X)
3519-	Internal combustion engines, n.e.c	(X)	(under 2)	-	(10-20)	-	-	(under 2)	(X)
3522-	Farm machinery	(X)	(2-5)	-	(2-5)	-	-	1.4	(X)
3531-	Construction machinery	(X)	(under 2)	-	(under 2)	(under 2)	-	2.6	(X)
3532-	Mining machinery	(X)	(under 2)	-	(under 2)	-	-	(5-10)	(X)
3535-	Conveyors and conveying equipment	(X)	4.2	-	(under 2)	-	(under 2)	(2-5)	(X)
3541-	Machine tools, metal-cutting types	(X)	(under 2)	(under 2)	8.0	-	(under 2)	(10-20)	(X)
3542-	Machine tools, metal-forming types	(X)	(2-5)	1.5	-	-	-	4.9	(X)
3544-	Special dies, tools, jigs, and fixtures	(X)	(under 2)	(Z)	(under 2)	-	-	4.3	(X)
3548-	Metalworking machinery, n.e.c	(X)	1.2	(2-5)	2.6	(under 2)	(under 2)	4.8	(X)
3561-	Pumps and compressors	(X)	(under 2)	-	(2-5)	-	-	1.8	(X)
3564-	Blowers and fans	(X)	(under 2)	(under 2)	-	-	-	14.4	(X)
3566-	Power transmission equipment	(X)	-	-	(under 2)	-	-	(5-10)	(X)
3567-	Industrial furnaces and ovens	(X)	(under 2)	(under 2)	-	-	-	10.3	(X)
3569-	General industrial machinery, n.e.c	(X)	9.7	(under 2)	-	(under 2)	(under 2)	38.4	(X)
3579-	Office machines, n.e.c	(X)	-	(over 2)	-	-	(under 2)	(under 2)	(X)
3585-	Refrigeration machinery	(X)	4.2	(under 2)	(over 2)	-	-	-	(X)
3586-	Measuring and dispensing pumps	(X)	-	-	-	-	-	(over 2)	(X)
3599-	Miscellaneous machinery, except electrical	(X)	(under 2)	(under 2)	(under 2)	0.5	0.2	4.6	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product class code	Class of products and miscellaneous receipts	All industries	Food products machinery (SIC 3551)	Textile machinery (SIC 3552)	Woodworking machinery (SIC 3553)	Paper industries machinery (SIC 3554)	Printing trades machinery (SIC 3555)	Special industry machinery, n.e.c. (SIC 3559)	All other industries
	Other product shipments by 4-digit product groups--Continued								
3621-	Motors and generators	(X)	(under 2)	-	(over 2)	(under 2)	-	(under 2)	(X)
3714-	Motor vehicle parts and accessories	(X)	(under 2)	(2-5)	(under 2)	-	-	(under 2)	(X)
3729-	Aircraft equipment, n.e.c	(X)	0.9	-	-	(under 2)	-	(2-5)	(X)
3741-	Locomotives and parts	(X)	-	-	-	-	-	(2-5)	(X)
3861-	Photographic equipment and supplies	(X)	(under 2)	-	-	-	2.3	(under 2)	(X)
3999-	Manufactured products, n.e.c	(X)	(2-5)	-	-	-	-	(under 2)	(X)
	Other secondary products[1]	(X)	32.6	23.9	39.3	19.7	11.2	117.8	(X)
	Miscellaneous receipts, total	(X)	151.6	54.1	26.5	70.0	117.3	195.4	(X)
93000	Contract and commission work	(X)	7.2	11.0	3.2	9.1	6.7	25.4	(X)
99989	Resales	(X)	65.4	26.1	15.6	36.8	93.3	112.7	(X)
99980	Repair work	(X)	21.1	6.6	6.3	21.2	8.5	18.0	(X)
99980	Sales of scrap	(X)	0.5	(X)	0.1	(X)	(X)	5.2	(X)
99980	Installation work by manufacturing plant employees	(X)	4.7	5.4	(X)	(X)	3.9	7.1	(X)
99980	Research and development	(X)	(X)	(X)	(X)	(X)	(X)	2.7	(X)
99980	Other	(X)	52.7	5.0	1.3	2.9	4.9	24.3	(X)
	Listing of the other industries with over $2 million shipments of the primary products								
3551-	2015 Poultry dressing plants	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3551-	2099 Food preparations, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3551-	3315 Steel wire and related products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3551-	3443 Fabricated platework (boiler shop products)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2.0
3551-	3461 Metal stampings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.5
3551-	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	6.3
3551-	3536 Hoists, cranes, and monorails	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3551-	3541 Machine tools, metal-cutting types	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3551-	3585 Refrigeration machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2.3
3551-	3589 Service industry machines, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.9
3551-	3621 Motors and generators	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3551-	3634 Electric housewares and fans	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3552-	1951 Small arms	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3552-	3069 Fabricated rubber products, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3552-	3451 Screw machine products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3552-	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3553-	3519 Internal combustion engines, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3553-	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3553-	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3553-	3541 Machine tools, metal-cutting type	(X)	(X)	(X)	(X)	(X)	(X)	(X)	11.2
3554-	3315 Steel wire and related products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3554-	3449 Miscellaneous metalwork	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3554-	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2.1
3554-	3564 Blowers and fans	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3554-	3569 General industrial machinery, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3554-	3729 Aircraft equipment, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3555-	2751 Commercial printing, except lithographic	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3555-	3011 Tires and inner tubes	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3555-	3069 Fabricated rubber products, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3555-	3572 Typewriters	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	1929 Ammunitions, except for small arms, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	1999 Ordnance and accessories, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3559-	3211 Flat glass	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	3321 Gray iron castings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.6
3559-	3323 Steel castings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2.6
3559-	3357 Nonferrous wiredrawing and insulating products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	3443 Fabricated platework (boiler shop products)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	15.2
3559-	3461 Metal stampings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.1
3559-	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.5
3559-	3532 Mining machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	13.3
3559-	3534 Elevators and moving stairways	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3559-	3535 Conveyors and conveying equipment	(X)	(X)	(X)	(X)	(X)	(X)	(X)	6.8
3559-	3536 Hoists, cranes, and monorails	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	3541 Machine tools, metal-cutting types	(X)	(X)	(X)	(X)	(X)	(X)	(X)	12.4
3559-	3542 Machine tools, metal-forming types	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(10-20)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product class code	Class of products and miscellaneous receipts	All industries	Food products machinery (SIC 3551)	Textile machinery (SIC 3552)	Woodworking machinery (SIC 3553)	Paper industries machinery (SIC 3554)	Printing trades machinery (SIC 3555)	Special industry machinery, n.e.c. (SIC 3559)	All other industries
	Listing of the other industries with over $2 million shipments of the primary products--Continued								
3559-	3544 Special dies, tools, jigs, and fixtures.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	7.7
3559-	3561 Pumps and compressors.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	6.7
3559-	3564 Blowers and fans.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3559-	3567 Industrial furnaces and ovens.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	12.7
3559-	3569 General industrial machinery, n.e.c.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	23.7
3559-	3599 Miscellaneous machinery, except electrical.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	4.2
3559-	3641 Electric lamps.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	3661 Telephone and telegraph apparatus.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3559-	3731 Ship building and repairing.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	7.6
3559-	3861 Photographic equipment and supplies.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard Notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than $50 thousand.

[1] Includes, where appropriate, values for these 4-digit product groups for which either the symbol "D" or a value range, e.g., (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3551- --	FOOD PRODUCTS MACHINERY, TOTAL	.....	(X)	689.9	(X)	517.3
35511 --	Dairy and milk products plant machinery and equipment	.....	(X)	77.7	(X)	71.6
35511 11	Fluid milk bottling, filling, packaging and capping machines (glass, paper, and other materials)	.....	(X)	14.0	(X)	13.2
35511 12	Butter, cheese, dry milk, and ice cream packaging machines	No. of units...	173	1.9	718	4.8
35511 13	Uncasers and casers	...do.....	(1)	(1)	347	4.7
35511 19	Washing, sterilizing, capping, and other dairy bottling machines	...do.....	(NA)	1.0	(NA)	3.9
35511 43	Pasteurizers	...do.....	106	0.4	497	3.9
35511 51	Homogenizers	...do.....	(1)	(1)	288	1.8
35511 73	Ice cream freezers	...do.....	(NA)	24.7	4,955	11.8
35511 83	Butter and cheese processing plant machinery and equipment	...do.....	698	2.0	755	3.3
35511 91	Dry milk processing plant machinery and equipment	...do.....	(X)	126.7	58	4.6
35511 98	Other dairy and milk products processing plant machinery and equipment, including cream separators (capacity over 1,500 pounds per hour)	.....			(X)	18.2
35511 00	Dairy and milk products plant machinery and equipment, n.s.k.	.....	(X)	6.9	(X)	1.4
35512 --	Commercial food products machinery, total	1,000 units....	(X)	146.4	(X)	117.6
35512 11	Slicers	...do.....	29.3	13.8	20.5	9.8
35512 21	Choppers, grinders, cutters, dicers, and similar machines	...do.....	25.8	13.4	35.2	15.1
35512 31	Mixers and whippers (except drink mixers)	...do.....	16.3	15.2	13.7	11.0
35512 51	Parts and attachments for commercial food-preparation machines	.....	(X)	11.6	(X)	10.1
35512 41	Other commercial food-preparation machines, including tenderizers (power-driven)	.....	(X)	15.9	(X)	13.8
	Bakery machinery and equipment:					
35512 61	Dough mixers	No. of units...	(NA)	7.7	5,476	3.5
	Bake ovens:					
35512 71	Traveling tray	...do.....	167	4.8	106	4.6
35512 75	Other	...do.....	2,489	13.0	1,373	5.2
35512 81	Slicing machines[2]	...do.....	774	1.8	1,405	2.4
35512 85	Wrapping machines[2]	...do.....	388	3.8	314	4.6
35512 87	Continuous breadmaking equipment	.....	(X)	27.8	(X)	4.3
35512 91	Other bakery machinery and equipment	.....			(X)	28.6
35512 00	Commercial food products machinery, n.s.k.	.....	(X)	17.6	(X)	4.7
35513 --	Other industrial food products machinery, including parts and attachments for all types of industrial food products machinery, total	.....	(X)	391.2	(X)	300.5
35513 11	Meat-packing and poultry-packing plant machinery and equipment, including killing, dehairing, stuffing, cooking, rendering, cutting, pressing, grinding, chopping, and canning machines, etc.	.....	(X)	49.6	(X)	32.7
	Fruit- and vegetable-canning and packing machinery:					
35513 23	Preparation machinery	.....	(X)	35.1	(X)	17.0
35513 25	Wrapping, filling, and sealing machinery	.....	(X)	19.9	(X)	6.7
35513 27	Packing machinery	No. of units...	1,630	6.8	759	5.5
35513 29	All other fruit- and vegetable-canning machinery	.....	(X)	9.6	(X)	12.8
	Flour mill and grain mill machinery:					
35513 33	Packing and packaging machinery	.....	(X)	4.2	(X)	32.6
35513 39	Other flour mill and grain mill machinery	.....	(X)	15.5		
	Sugar plant machinery, including cane and beet mills, crushers, pulverizers, crystallizers, granulators, etc:					
35513 43	Packing and packaging machinery	.....	(X)	11.3	(X)	13.9
35513 49	Other sugar-plant machinery	.....	(X)	6.3	(X)	11.3
	Other industrial food products machinery:					
35513 53	Packing and packaging machinery	.....	(X)	47.0	(X)	30.9
35513 59	Other industrial food products machinery	.....	(X)	44.3	(X)	37.7
	Bottling machinery for foods (except dairy products), liquor, beer, wine, and other beverages):					
35513 65	Filling, capping, and labeling machines	No. of units...	2,854	49.6	1,798	27.4
35513 66	Uncasers and casers	...do.....	(NA)	5.4	145	3.4
35513 67	Bottle washers and sterilizers	...do.....	287	13.8	380	11.4
35513 61	Carbonators (beverage bottling)	...do.....	(X)	19.1	(X)	15.1
35513 69	Other food bottling machinery, except dairy	.....				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3551- --	FOOD PRODUCTS MACHINERY--Continued					
35513 --	Other industrial food products machinery, including parts and attachments for all types of industrial food products machinery--Continued					
35513 81	Parts and attachments for industrial food products machinery	.....	(X)	34.8	(X)	33.2
35513 00	Other industrial food products machinery, including parts and attachments for all types of industrial food products machinery, n.s.k.	.....	(X)	18.9	(X)	8.9
35510 00	Food products machinery, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	63.1	(X)	27.6
35510 02	Food products machinery, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	11.6		
3552- --	TEXTILE MACHINERY, TOTAL	.....	(X)	652.6	(X)	499.1
35521 --	Textile machinery, total	.....	(X)	348.8	(X)	252.6
	Fiber-to-fabric textile machinery (except parts, attachments, and accessories):					
35521 15	Cleaning and opening machinery, including picker, garnetting, and other	1,000.....	[e]2.5	11.2	1.1	4.3
35521 25	Carding machines and combing machines	...do.....	[e]0.8	10.5	0.5	[3]3.3
35521 36	Drawing and roving frames	...do.....	[e]2.8	25.8	1.7	16.3
	Spinning and twisting frames:					
	Spinning frames:					
35521 42	Frames	...do.....	3.7	47.0	2.6	29.1
35521 46	Total spindles	...do.....	1,070.6	(X)	756.3	(X)
	Twisting frames:					
35521 47	Frames	...do.....	1.4	21.8	0.7	12.0
35521 48	Total spindles	...do.....	223.9	(X)	85.9	(X)
	Yarn preparing machines:					
35521 51	Winding machines (skein, spool, bobbin, quill, cone, etc.)	...do.....	1.3	19.9	1.0	13.8
35521 53	Other yarn-preparing machines (beaming, warping, warp tying, warp drawing in, splashing, etc.)	.....	(X)	13.3	(X)	6.5
35521 55	Other fiber-to-fabric machinery	.....	(X)	17.6	(X)	[3]19.2
	Fabric machinery (except parts, attachments, and accessories):					
35521 65	Power looms (including looms operated without shuttles), all types including cotton and synthetic broadlooms	1,000.....	([4])	([4])	([4])	([4])
	Knitting machines:					
35521 72	Hosiery (circular and full-fashioned)	...do.....	5.3	44.8	5.7	22.0
35521 75	Other knitting machines	...do.....			1.7	17.2
35521 84	Other fabric machinery (including lace, embroidery, braiding, and turfing machinery, and hand looms)	.....	(NA)	[4]48.9	(NA)	[4]46.2
35521 85	Bleaching, dyeing, and finishing machinery	.....	(X)	39.0	(X)	28.1
35521 87	Machinery for drying stocks, yarns, cloth, etc	.....	(X)	10.8	(X)	8.0
35521 98	Other textile industries machinery, n.e.c. (except parts, attachments, and accessories)	.....	(X)	27.2	(X)	23.5
35521 00	Textile machinery, n.s.k	.....	(X)	10.8	(X)	3.0
35522 --	Parts and attachments for textile machinery	.....	(X)	267.4	(X)	232.1
35522 11	Textile machinery turning and shapes bobbins, shuttles, spools, picker sticks, etc.)	.....	(X)	60.2	(X)	38.2
	Parts and attachments:					
	Fiber-to-fiber machinery:					
33522 22	Card clothing	Million sq.ft.	[e]3.5	18.9	1.9	9.3
35522 31	Other fiber-to-fabric machines, except card cloth	.....	(X)	53.3	(X)	47.4
35522 41	Power looms	.....	(X)	64.5	(X)	66.2
35522 45	Knitting machines, excluding needles	.....	(X)	8.4	(X)	10.7
35522 53	Fabric machinery, except power looms and knitting machines	.....	(X)	10.1	(X)	6.8
35522 71	Bleaching, dyeing, and finishing machinery	.....	(X)	5.6	(X)	7.7
35522 98	Other textile-industries machinery	.....	(X)	39.8	(X)	40.6
35522 00	Parts and attachments for textile machinery, n.s.k.	.....	X)	6.7	(X)	5.2
35520 00	Textile-industries machinery, including parts and attachments, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	27.4	(X)	14.4
35520 02	Textile-industries machinery, including parts and attachments, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	9.0		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3553- --	WOODWORKING MACHINERY, TOTAL	.....	(X)	274.4	(X)	220.8
35531 --	Woodworking machinery (except home workshop) including parts and attachments	.....	(X)	231.2	(X)	186.0
35531 12	Sawmill equipment	.....	(X)	40.9	(X)	22.4
35531 15	Veneer and plywood-making, woodbox and crate-making machinery	.....	(X)	15.8	(X)	13.8
35531 62	Sawing machines (except sawmill equipment and chain saws)	1,000 units	(NA)	11.8	[e]27.3	11.3
35531 67	Chain saws	...do	555.1	63.8	392.8	46.0
35351 71	Jointers, matchers, molders, mortisers, shapers, and tenoners (except power-driven handheld tools)	...do	(NA)	15.4	(NA)	11.3
35531 81	Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades	.....	(X)	49.4	(X)	53.8
35531 98	Other woodworking machinery (except power-driven handheld tools) including lathes, planing machines, and surfacing machines, except handheld	.....	(X)	31.1	(X)	25.7
35531 00	Woodworking machinery (except home workshop) including parts and attachments, n.s.k.	.....	(X)	3.0	(X)	1.7
35532 --	Woodworking machinery, for home workshop (except power-driven handtools), including parts and attachments	.....	(X)	29.1	(X)	29.0
35532 21	Saws, including circular	1,000 units	203.0	18.4	[e]219.0	19.5
35532 81	Parts, attachments, and accessories for machine tools and woodworking machines designed primarily for home workshops, etc. (sold separately), except parts for power-driven handtools (excluding saw blades)	.....	(X)	3.5	(X)	3.6
35532 98	Other machine tools and woodworking machines designed primarily for home workshops, etc. (except power-driven handtools), including lathes, drilling machines, jointers, planers and shapers	.....	(X)	7.2	(X)	5.9
35530 00	Woodworking machinery, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	8.7	(X)	5.8
35530 02	Woodworking machinery, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	5.4		
3554- --	PAPER INDUSTRIES MACHINERY, TOTAL	.....	(X)	515.1	(X)	347.6
	Pulp and paper industries machinery (new):					
35540 11	Wood preparation equipment (including barkers, chippers, knotters, splitters, chipscreens, etc.)	.....	(X)	9.8	(X)	2.2
	Pulpmill machinery:					
35540 21	Grinders (for groundwood)	No. of units	43.0	11.0	325	7.4
35540 25	Deckers, thickeners, wet lap machines, bleaching equipment, pulp screens, washers, and savealls	.....	(X)	29.1	(X)	21.0
35540 29	Other pulpmill machinery including digesters and recovery room equipment	.....	(X)	9.7	(X)	6.2
	Papermill machinery:					
35540 31	Beaters, jordans, and other stock preparation	.....	(X)	18.7	(X)	20.3
	Paper machines:					
35540 45	Calenders including supercalenders	No. of units	69	7.5	49	6.0
35540 41	Fourdriniers, including yankee machines	.....	(X)	154.8	45	49.5
35540 43	Cylinder type machines	.....			(X)	41.8
35540 49	Other paper machinery, including forming and finishing machinery, but excluding calenders	.....				
	Paper and paperboard converting equipment:					
35540 51	Bagmaking machines, including shipping sack machines, and envelope making machines	No. of units	1,034	21.9	817	9.0
35540 53	Corrugated boxmaking machines	...do	1,920	36.0	1,234	24.7
35540 54	Box, carton, and shipping container making machines (except corrugated box machines)	...do	(NA)	29.4	1,025	13.1
35540 56	Toilet roll and napkin making machines	...do	257	13.1	129	7.0
35540 59	Other paper and paperboard converting equipment, including drum, can, and tube making machines	.....	(X)	34.6	(X)	32.9
	Rebuilt pulp and paper industries machinery:					
35540 71	Rebuilt paper machines including fourdriniers, yankees, cylinders, and forming machines	.....	(X)	43.9	(X)	51.1
35540 75	Other rebuilt pulp and paper industries machinery	.....	(X)	2.4	(X)	2.0
35540 81	Parts and attachments for pulpmill, papermill, and paper converting machinery and equipment (sold separately)	.....	(X)	68.1	(X)	44.8
35540 00	Paper industries machinery, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	22.6	(X)	8.4
35540 02	Paper industries machinery, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	2.6		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3555- --	PRINTING TRADES MACHINERY, TOTAL	.....	(X)	656.0	(X)	403.2
35551 --	Printing presses, total	.....	(X)	263.6	(X)	137.6
	Letterpress (typographical, relief):					
35551 16	Sheet-fed, including platen cylinder and rotary types	No. of complete presses	982	5.3	752	5.0
	Roll or web-fed:					
35551 18	Rotary letterpress	...do...	569	50.6	235	29.8
35551 19	Newspaper high-speed rotary and flat-bed and high-speed platen	...do...				
	Offset lithographic:					
	Sheet-fed:					
	Single color:					
35551 23	Up to and including 23 inch by 30 inch	...do...	(NA)	9.4	535	7.3
35551 26	Over 23 inch by 30 inch	...do...	(NA)	2.5	121	3.6
35551 27	Multicolor	...do...	450	59.4	275	27.8
	Web-fed:					
35551 32	Newspaper type	...do...	376	55.7	358	31.6
35551 34	Periodical, catalogue, etc., type (heat-set)	...do...	71	6.0		
35551 36	All other types	...do...	(NA)	21.7	165	9.7
35551 37	Gravure, sheet-fed and web-fed	...do...	77	15.1	42	6.6
35551 38	Flexographic, sheet-fed and web-fed	...do...	158	10.7	(NA)	15.4
35551 41	Other printing presses, including proof and rebuilt	...do...	(NA)	25.7		
35551 00	Printing presses, n.s.k	.....	(X)	1.3	(X)	0.7
35552 --	Other printing trades machinery, including parts and attachments, total	.....	(X)	354.3	(X)	243.8
	Typesetting machinery and equipment (excluding justifying typewriters):					
	Photographic typesetting machines:					
35552 43	Electronically controlled (keyboard or tape driven)	No. of units	(NA)	24.9	3,189	13.3
35552 45	Manually controlled	...do...	2,985	13.7		
35552 55	Matrices, including matrices for hot metal machines and photo-typesetting	.....	(X)	21.4	(X)	17.8
35552 57	Typesetting and type casting machines, including hot metal (excluding photographic); other typesetting equipment, including tape perforators, operating units, etc. (excluding cameras)	.....	(X)	34.3	(X)	29.2
35552 62	Electrotyping and stereotyping machinery and equipment	.....	(X)	7.1	(X)	7.7
35552 65	Photoengraving and lithographing platemaking equipment (except cameras)	.....	(X)	6.6	(X)	5.8
35552 66	Paper cutting machines	.....	(X)	12.3	(X)	7.7
35552 67	Collating or gathering machines	.....	(X)	18.6	(X)	21.8
35552 68	Bookbinding machinery and equipment, except paper cutting and collating or gathering machines	.....	(X)	30.8		
35552 69	Engravers' materials and equipment, including metal plates, wood blocks, lithographic stones, etc	.....	(X)	13.6	(X)	11.1
	Other printing machinery and equipment, including parts, attachments, and accessories for printing trades machinery and equipment (sold separately):					
35552 72	Ink rollers and printers' rolls and platens	.....	(X)	42.2	(X)	28.2
35552 75	Foundry type, rules, leads, slugs, borders, and ornaments	.....	(X)	4.9	(X)	4.5
35552 81	Parts, attachments, and accessories for printing trades machinery and equipment (sold separately)	.....	(X)	59.6	(X)	42.2
35552 98	Other printing machinery and equipment	.....	(X)	60.3	(X)	52.7
35552 00	Other printing trades machinery, including parts and attachments, n.s.k	.....	(X)	3.9	(X)	1.8
35550 00	Printing trades machinery, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	26.2	(X)	21.8
35550 02	Printing trades machinery, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	11.9		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3559- --	SPECIAL INDUSTRY MACHINERY, N.E.C., TOTAL	.....	(X)	1,670.3	(X)	988.4
35591 11	Chemical manufacturing industries machinery and equipment and parts	.....	(X)	284.5	(X)	152.4
35592 --	Foundry machinery and equipment, excluding patterns and molds, total	.....	(X)	143.9	(X)	89.6
35592 21	Foundry pouring equipment, including ladles, crucibles, and pouring machines	.....	(X)	24.9	([5])	([5])
35592 31	Molding machines	No. of units..	(NA)	17.1	1,240	15.5
35592 51	Blast cleaning equipment	.....	(X)	36.7	(X)	22.9
35592 98	Other foundry machinery, including core-making machines and parts for foundry machinery and equipment	.....	(X)	63.2	(X)	[5]50.7
35592 00	Foundry machinery and equipment, excluding patterns and molds, n.s.k.	.....	(X)	2.0	(X)	0.5
35593 --	Plastics-working machinery and equipment, excluding patterns and molds, total	.....	(X)	247.6	(X)	137.1
35593 11	Compression molding machines	No. of units..	(NA)	13.8	795	4.8
35593 33	Extrusion machines	...do.....	2,547	46.3	1,062	18.6
35593 51	Injection molding machines	...do.....	3,906	85.1	2,511	54.8
35593 61	Blow molding machines	...do.....	(NA)	12.9		
35593 98	Other plastics-working machinery and equipment, including parts for plastics-working machinery	.....	(X)	82.9	(X)	58.5
35593 00	Plastics-working machinery and equipment, excluding patterns and molds, n s.k.	.....	(X)	6.7	(X)	0.4
35594 --	Rubber-working machinery and equipment, excluding tire molds, total	.....	(X)	116.6	(X)	76.8
35594 11	High-intensity solid mixers	.....	(X)	11.6	(X)	8.3
35594 31	Extruding machines	No. of units..	245	6.5	378	3.6
35594 41	Vulcanizing presses	...do.....	1,017	19.9	969	19.2
35594 51	Tire-building equipment (except tire molds)	.....	(X)	17.1	(X)	7.5
35594 71	Tire recapping and repairing machinery and equipment, including recapping vulcanizers	.....	(X)	20.3	(X)	15.4
35594 98	Other rubber-working machinery including calendering machines and parts for rubber-working machinery, but excluding tire molds	.....	(X)	38.3	(X)	21.6
35594 00	Rubber-working machinery and equipment, excluding tire molds, n.s.k.	.....	(X)	2 9	(X)	1.1
35595 --	Other special industry machinery and equipment, total[6]	.....	(X)	778.6	(X)	500.2
35595 11	Petroleum refinery machinery and equipment, including parts	.....	(X)	53.4	(X)	36.5
35595 21	Ammunition and explosives loading machinery and equipment, including parts	.....	(X)	4.3	([7])	([7])
	Tobacco manufacturing machinery and equipment:					
35595 35	Cigarette-and cigar-making machines and cigarette, cigar, and tobacco packaging and wrapping machines	No. of units..	990	6.9	762	5.3
35595 39	Other tobacco manufacturing machinery and equipment and parts	.....	(X)	6.0	(X)	7.7
35595 41	Clayworking machinery and equipment and parts (brick, tile, and ceramics)	.....	(X)	16.5	(X)	11.4
35595 43	Cementmaking machinery and equipment and parts, other than cement kilns	.....	(X)	8.1	(X)	8.5
35595 45	Concrete block machines	No. of units..	735	7.3	345	5.4
	Concrete products machinery and equipment:					
35595 49	Other concrete products machinery and equipment and parts, including concrete-pipemaking machines	.....	(X)	32.0	(X)	27.8
	Glass making machinery and equipment:					
35595 51	Bottle-forming machines	No. of units..	224	11.4	229	10.8
35595 55	Other glassmaking machinery and equipment and parts, except lehrs	.....	(X)	33.6	(X)	25.2
35595 62	Shoemaking and repairing machinery and equipment and parts, including sole stitching machines	.....	(X)	35.3	(X)	26.8
35595 73	Cotton-ginning machinery and equipment and parts	.....	(X)	18.7	(X)	41.1
35595 81	Metal cleaning, degreasing, finishing, and drying machinery and equipment and parts	.....	(X)	97.9	(X)	47.2
35595 85	Electronic tubemaking machinery and equipment and parts	.....	(X)	10.4	(X)	9.1
35595 89	Other special industrial machinery and equipment and parts (including incandescent lampmaking, paintmaking, stoneworking, hatmaking, leatherworking, jewelers', pharmaceutical, etc.)	.....	X)	314.8	(X)	[7]171.3
35595 91	Electric nonmetallic processing industrial furnaces and ovens, including kilns and lehrs	.....	(X)	16.2	(X)	9.0
35595 92	Fuel-fired kilns (cement, wood, and chemical processing)	No. of units..	427	30.0	380	21.9
35595 93	Other nonmetallic processing industrial furnaces and ovens and parts, including kilns and lehrs	.....	(X)	20.6	(X)	10.5
35595 00	Other special industry machinery and equipment, n.s.k.	.....	(X)	55.2	(X)	24.8

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3559- --	SPECIAL INDUSTRY MACHINERY, N.E.C.--Continued					
35590 00	Special industry machinery, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	81.1	(X)	32.2
35590 02	Special industry machinery, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	17.9		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments, which are further discussed in the text, are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. [e]From 10 to 30 percent of this figure was estimated. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]1967 data for product code 35511 13, uncasers and casers and product code 35511 51, homogenizers are included with product code 35511 98, other dairy and milk products processing machinery.

[2]For combination slicing and wrapping machines the number and value of slicing units are included with slicing machines and the number and value of wrapping units with wrapping machines.

[3]The 1963 data for "combing machines" are included with product code 35521 55, other fiber-to-fabric machinery.

[4]Data for product code 35521 65, power looms, are included with product code 35521 84, other fabric machinery.

[5]1963 data for product 35592 21, foundry pouring equipment, including ladles, crucibles, and pouring machines are included with product code 35592 98, other foundry machinery, etc."

[6]Some equipment in this product class may be leased rather than sold outright. For leased equipment, estimates of the value of products produced were reported. These estimates approximate the value of the products had they been sold outright and are based on market values of the products, tax or insurance valuations, etc.

[7]1963 data for product code 35595 21, ammunition and explosives loading machinery and equipment are included with product code 35595 89, other special industry machinery and equipment, etc.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
DAIRY, MILK PRODUCTS PLANT MACHINERY, EQUIPMENT (35511)		
United States	77.7	71.6
Northeast Region	9.4	10.1
Middle Atlantic Div.	CC	8.6
New York	5.4	5.1
Pennsylvania	BB	3.5
North Central Region	58.1	51.8
East North Central Div.	42.2	40.2
Ohio	BB	(1)
Illinois	20.6	15.8
Michigan	CC	(1)
Wisconsin	DD	12.3
West North Central Div.	15.9	11.6
Minnesota	BB	(1)
Iowa	EE	(1)
Missouri	AA	(1)
South Region	BB	3.0
South Atlantic Div.	BB	(D)
Virginia	2.0	(1)
West Region	CC	6.7
Pacific Div.	CC	(D)
California	CC	(D)
COMMERICAL FOOD PRODUCTS MACHINERY (35512)		
United States	146.4	117.6
Northeast Region	28.1	25.9
New England Div.	9.0	5.6
Massachusetts	CC	3.0
Connecticut	BB	(1)
Middle Atlantic Div.	19.1	20.3
New York	9.8	11.0
New Jersey	1.3	1.6
Pennsylvania	8.1	7.7
North Central Region	82.6	73.8
East North Central Div.	77.6	65.8
Ohio	34.9	28.0
Indiana	9.0	7.8
Illinois	15.2	11.8
Michigan	16.4	15.1
Wisconsin	2.2	3.2
West North Central Div.	4.9	8.0
Minnesota	2.9	2.3
South Region	24.1	10.0
South Atlantic Div.	19.2	6.4
Maryland	3.8	(D)
Virginia	CC	(1)
North Carolina	BB	(D)
Georgia	BB	(1)
East South Central Div.	AA	1.3
Kentucky	AA	(1)
West South Central Div.	BB	2.3
Texas	BB	2.0
West Region	11.6	7.9
Pacific Div.	EE	(D)
Washington	AA	(D)
California	9.8	6.6
OTHER INDUSTRIAL FOOD PRODUCTS MACHINERY, PARTS, ACCESSORIES (35513)		
United States	391.2	300.5
Northeast Region	89.9	78.4
New England Div.	45.9	32.0
Massachusetts	32.8	22.9
Connecticut	13.1	(1)
Middle Atlantic Div.	43.9	46.4
New York	24.4	22.6
New Jersey	5.1	7.0
Pennsylvania	14.4	16.8
North Central Region	175.1	131.8
East North Central Div.	136.5	109.2
Ohio	34.6	31.3
Indiana	16.0	6.8
Illinois	52.1	41.9
Michigan	8.5	4.9
Wisconsin	25.3	24.3
West North Central Div.	38.6	22.6
Minnesota	BB	2.4
Iowa	11.3	6.2
Missouri	14.4	10.0
Kansas	8.7	(1)
South Region	66.5	52.2
South Atlantic Div.	47.9	34.0
Maryland	EE	14.5
Virginia	1.4	2.4
North Carolina	CC	2.4
Georgia	15.6	9.8
Florida	6.5	4.8
East South Central Div.	8.8	5.6
Kentucky	CC	(1)
West South Central Div.	9.8	12.6
Oklahoma	AA	(D)
Texas	CC	9.7
West Region	59.7	38.0
Mountain Div.	5.7	5.2
Colorado	BB	(1)
Pacific Div.	54.0	32.8
Washington	AA	1.9
Oregon	3.5	(1)
California	47.2	27.8
Hawaii	AA	(D)
TEXTILE MACHINERY (35521)		
United States	348.8	252.6
Northeast Region	191.6	158.6
New England Div.	108.9	100.8
Maine	BB	(1)
New Hampshire	CC	(1)
Vermont	AA	(D)
Massachusetts	75.5	74.4
Rhode Island	23.6	15.2
Middle Atlantic Div.	82.7	57.8
New York	19.2	14.1
New Jersey	9.2	10.7
Pennsylvania	54.2	33.0
TEXTILE MACHINERY (35521)--Con.		
North Central Region	17.8	11.6
East North Central Div.	EE	(D)
Ohio	BB	(1)
Illinois	EE	(1)
West North Central Div.	BB	(D)
Missouri	BB	(D)
South Region	GG	(D)
South Atlantic Div.	GG	(D)
North Carolina	75.6	34.5
South Carolina	43.3	32.7
Georgia	11.7	9.8
East South Central Div.	CC	(D)
Tennessee	7.9	(1)
PARTS AND ATTACHMENTS FOR TEXTILE MACHINERY (35522)		
United States	267.4	232.1
Northeast Region	126.9	136.9
New England Div.	84.2	93.5
Maine	BB	1.7
New Hampshire	9.4	(1)
Massachusetts	41.5	61.4
Rhode Island	FF	20.6
Middle Atlantic Div.	42.7	43.4
New York	5.6	3.6
New Jersey	12.2	12.2
Pennsylvania	24.9	27.6
North Central Region	19.6	14.3
East North Central Div.	EE	(D)
Ohio	4.7	(1)
Illinois	CC	(1)
Michigan	CC	(1)
South Region	EE	(D)
South Atlantic Div.	EE	(D)
North Carolina	51.1	30.8
South Carolina	50.4	38.3
Georgia	13.3	7.9
East South Central Div.	BB	(D)
Tennessee	BB	(1)
WOODWORKING MACHINERY EXCLUDING HOME WORKSHOP INCLUDING PARTS, ATTACHMENTS (35531)		
United States	231.2	186.0
Northeast Region	14.7	14.0
New England Div.	3.1	4.8
New Hampshire	BB	(1)
Middle Atlantic Div.	11.7	9.2
New York	BB	(1)
New Jersey	AA	(1)
Pennsylvania	7.4	5.0
North Central Region	69.1	64.4
East North Central Div.	60.8	57.4
Ohio	12.2	10.6
Indiana	5.1	3.9
Illinois	25.7	23.3
Michigan	7.2	8.4
Wisconsin	10.6	11.1

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
WOODWORKING MACHINERY, EXCLUDING HOME WORKSHOP, INCLUDING PARTS, ATTACHMENTS (35531)		
North Central Region--Con.		
West North Central Div.	8.3	7.1
Minnesota	CC	4.7
Missouri	AA	2.4
South Region	83.9	48.2
South Atlantic Div.	GG	32.7
North Carolina	FF	(1)
South Carolina	CC	(1)
East South Central Div.	FF	9.8
Tennessee	7.5	2.4
Alabama	CC	1.9
Mississippi	CC	5.5
West South Central Div.	8.3	5.7
Louisiana	CC	(1)
Texas	BB	(1)
West Region	63.5	59.4
Mountain Div.	BB	(D)
Arizona	BB	(D)
Pacific Div.	GG	(D)
Washington	EE	(1)
Oregon	26.8	21.4
California	EE	(1)
HOME SHOP WOODWORKING MACHINERY, EXCLUDING POWER HANDTOOLS (35532)		
United States	29.1	(NA)
Northeast Region	CC	(NA)
Middle Atlantic Div.	CC	(NA)
Pennsylvania	CC	(NA)
North Central Region	2.6	(NA)
East North Central Div.	AA	(NA)
		(NA)
South Region	EE	
East South Central Div.	EE	(NA)
Kentucky	AA	(NA)
Tennessee	EE	(NA)
Mississippi	BB	(NA)
West Region	AA	(NA)
Pacific Div.	AA	(NA)
Oregon	AA	(NA)
PRINTING PRESSES (35551)		
United States	263.6	137.6
Northeast Region	126.4	46.5
New England Div.	39.9	14.7
New Hampshire	CC	(1)
Massachusetts	EE	(1)
Connecticut	EE	(1)
Middle Atlantic Div.	86.6	31.8
New York	FF	12.4
New Jersey	FF	9.9
Pennsylvania	19.2	9.5

Product class and geographic area	Value of shipments	
	1967	1963
PRINTING PRESSES (35551)--Con.		
North Central Region	126.9	80.1
East North Central Div.	107.7	(D)
Ohio	FF	(1)
Illinois	GG	(1)
Michigan	1.7	(1)
Wisconsin	CC	3.2
West North Central Div.	19.3	(D)
Minnesota	AA	(D)
Iowa	CC	(D)
Missouri	BB	(1)
Kansas	BB	(1)
South Region	CC	6.0
West South Central Div.	CC	(D)
Texas	CC	(1)
West Region	BB	5.0
Pacific Div.	BB	(D)
California	BB	(1)
OTHER PRINTING TRADES MACHINERY, PARTS, ATTACHMENTS (35552)		
United States	354.3	243.8
Northeast Region	215.2	138.3
New England Div.	49.6	26.2
New Hampshire	AA	(D)
Massachusetts	31.8	16.4
Rhode Island	AA	(1)
Connecticut	DD	7.5
Middle Atlantic Div.	165.6	112.1
New York	87.9	63.6
New Jersey	49.3	28.1
Pennsylvania	28.3	20.4
North Central Region	108.4	84.6
East North Central Div.	93.7	73.2
Ohio	27.5	20.1
Illinois	56.6	40.7
Michigan	7.0	8.4
Wisconsin	BB	3.8
West North Central Div.	14.7	11.5
Minnesota	2.2	(D)
Missouri	6.9	8.2
Kansas	BB	(1)
South Region	22.2	12.4
South Atlantic Div.	12.9	(D)
Maryland	AA	(D)
Virginia	CC	(1)
North Carolina	BB	(1)
Georgia	AA	(D)
East South Central Div.	AA	(D)
West South Central Div.	CC	(D)
Texas	CC	(D)
West Region	8.5	8.5
Mountain Div.	AA	8.5
Pacific Div.	CC	8.5
California	CC	7.8

Product class and geographic area	Value of shipments	
	1967	1963
CHEMICAL MANUFACTURING INDUSTRIES MACHINERY, EQUIPMENT, PARTS (35591)		
United States	284.5	152.4
Northeast Region	157.0	76.4
New England Div.	26.3	8.7
Massachusetts	FF	(1)
Connecticut	AA	(1)
Middle Atlantic Div.	130.6	67.7
New York	51.5	25.2
New Jersey	31.0	17.7
Pennsylvania	48.1	24.8
North Central Region	69.7	44.3
East North Central Div.	65.9	(D)
Ohio	38.8	23.5
Illinois	18.2	13.0
Michigan	CC	5.5
West North Central Div.	3.8	(D)
Minnesota	BB	(D)
South Region	52.6	(D)
South Atlantic Div.	27.5	(D)
Delaware	EE	(1)
Maryland	BB	(1)
West Virginia	AA	(D)
North Carolina	CC	(1)
East South Central Div.	11.6	(D)
Kentucky	CC	(1)
Tennessee	AA	(1)
Alabama	BB	(D)
West South Central Div.	13.5	(D)
Oklahoma	AA	(D)
Texas	EE	(1)
West Region	5.2	(D)
Pacific Div.	CC	(D)
Washington	AA	(D)
California	BB	2.2
FOUNDRY MACHINERY, EQUIPMENT, EXCLUDING PATTERNS, MOLDS (35592)		
United States	143.9	89.6
Northeast Region	FF	9.1
Middle Atlantic Div.	FF	(D)
Pennsylvania	21.0	7.8
North Central Region	96.9	63.7
East North Central Div.	95.7	(D)
Ohio	FF	18.9
Indiana	FF	(1)
Illinois	28.6	16.5
Michigan	17.0	8.7
Wisconsin	BB	4.9
West North Central Div.	1.1	(D)
South Region	EE	(D)
South Atlantic Div.	EE	(D)
Maryland	EE	(1)
West Region	4.7	(D)
Pacific Div.	BB	(D)
California	BB	4.0

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
PLASTICS-WORKING MACHINERY, EQUIPMENT EXCLUDING PATTERNS (35593)		
United States	247.6	137.1
Northeast Region	145.3	79.9
New England Div.	79.1	43.9
New Hampshire	CC	(1)
Vermont	BB	(D)
Massachusetts	30.6	14.2
Rhode Island	BB	(1)
Connecticut	32.2	16.5
Middle Atlantic Div.	66.2	36.0
New York	10.1	4.8
New Jersey	39.5	24.7
Pennsylvania	16.6	6.6
North Central Region	96.2	52.5
East North Central Div.	94.8	(D)
Ohio	54.2	34.5
Indiana	EE	(1)
Michigan	BB	(D)
Wisconsin	5.2	2.0
West North Central Div.	1.4	(D)
Minnesota	AA	(D)
South Region	3.7	(D)
South Atlantic Div.	BB	(D)
Virginia	AA	(D)
West Region	2.3	(D)
Pacific Div.	BB	(D)
California	BB	1.9
RUBBER-WORKING MACHINERY, EQUIPMENT, EXCLUDING TIRE MOLDS (35594)		
United States	116.6	76.8
Northeast Region	21.3	15.3
New England Div.	EE	(D)
Connecticut	EE	(1)
RUBBER-WORKING MACHINERY, EEQUIPMENT, EXCLUDING TIRE MOLDS (35594)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	CC	(D)
New York	3.7	2.2
New Jersey	AA	(1)
Pennsylvania	3.9	3.2
North Central Region	80.6	(D)
East North Central Div.	78.6	49.8
Ohio	72.3	46.6
Indiana	AA	(1)
Illinois	AA	(D)
Michigan	BB	(D)
West North Central Div.	2.0	1.1
South Region	BB	(D)
South Atlantic Div.	BB	(D)
North Carolina	BB	(1)
West Region	EE	(D)
Pacific Div.	EE	(D)
California	12.4	8.2
OTHER SPECIAL INDUSTRIAL MACHINERY AND EQUIPMENT (35595)		
United States	778.6	500.2
Northeast Region	294.6	195.9
New England Div.	88.3	61.6
Maine	4.3	2.6
New Hampshire	AA	(D)
Massachusetts	60.5	43.3
Rhode Island	AA	(1)
Connecticut	19.4	12.9
Middle Atlantic Div.	206.3	134.3
New York	53.0	33.1
New Jersey	63.7	44.6
Pennsylvania	89.6	56.6
OTHER SPECIAL INDUSTRIAL MACHINERY AND EQUIPMENT (35595)--Con.		
North Central Region	257.9	183.1
East North Central Div.	227.0	159.3
Ohio	52.6	33.3
Indiana	26.9	16.7
Illinois	56.5	42.1
Michigan	56.8	51.2
Wisconsin	34.3	16.0
West North Central Div.	30.9	23.8
Minnesota	6.2	7.9
Iowa	9.7	6.0
Missouri	6.4	(1)
Kansas	8.2	5.0
South Region	99.0	86.7
South Atlantic Div.	39.4	27.3
Delaware	AA	(1)
Maryland	CC	5.1
Virginia	3.0	(1)
West Virginia	1.8	(D)
North Carolina	8.9	7.4
Georgia	CC	7.0
Florida	CC	1.8
East South Central Div.	20.9	16.1
Kentucky	12.1	5.6
Tennessee	AA	(D)
Alabama	CC	(D)
West South Central Div.	38.8	43.4
Louisiana	AA	3.8
Oklahoma	EE	4.1
Texas	25.4	35.1
West Region	127.1	34.4
Pacific Div.	GG	(D)
Washington	CC	7.9
Oregon	CC	5.4
California	112.1	20.3

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the value are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: n.e.c. Not elsewhere classified.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3551-	Food products machinery	689.9	687.9	616.9	581.8	517.3	399.8	371.4	335.9
35511	Dairy and milk products plant machinery and equipment	77.7	73.7	74.6	72.4	71.6	64.6	81.3	62.1
35512	Commercial food products machinery	146.4	171.1	144.9	135.2	117.6	101.0	88.2	82.3
35513	Other industrial food products machinery, including parts and attachments for all types of industrial food products machinery	391.2	414.4	373.6	345.6	300.5	210.8	197.5	191.6
35510	Food products machinery, n.s.k.	74.7	(28.7)	(23.8)	28.6	27.6	23.5	4.5	-
3552-	Textile machinery	652.6	776.5	664.2	558.6	499.1	322.2	304.1	391.8
35521	Textile machinery	348.8	451.3	378.6	318.0	252.6	143.7	143.3	246.0
35522	Parts and attachments for textile machinery	267.4	313.4	271.2	232.1	232.1	168.7	160.7	141.5
35520	Textile machinery, n.s.k.	36.4	(11.7)	(14.3)	(8.5)	14.4	9.8	-	4.4
3553-	Woodworking machinery	274.4	293.6	269.8	251.2	220.8	174.5	163.4	151.4
35531	Woodworking machinery (except home workshop) including parts and attachments	231.2	255.0	239.3	213.2	186.0	145.1	136.2	128.9
35532	Woodworking machinery for home workshop (except power-driven handtools) including parts and attachments	29.1	32.2	24.6	32.1	29.0	25.7	27.2	22.5
33530	Woodworking machines, n.s.k.	14.1	6.3	5.9	5.8	5.8	3.7	-	-
35540	Paper industries machinery, parts, attachments	515.1	439.7	424.0	277.6	347.5	280.1	176.2	134.7
3555-	Printing trades machinery	656.0	549.7	481.8	428.6	403.2	273.3		
35551	Printing presses	263.6	198.9	167.8	158.6	137.6	94.2	228.8	195.1
35552	Other printing trades machinery, parts, attachments	354.3	330.1	289.6	248.0	243.8	155.7		
35550	Printing trades machinery, n.s.k.	38.1	(20.6)	24.5	22.0	21.8	23.9		
3559-	Special industry machinery, n.e.c.	1,670.3	1,700.4	1,471.5	1,183.4	988.4	726.2	611.7	462.2
35591	Chemical mfg. industries machinery equip., parts	284.5	257.9	228.7	187.0	152.4	118.5	102.8	87.3
35592	Foundry machinery, equip., exc. patterns, molds	143.9	168.0	138.2	121.7	89.6	52.6	62.5	34.4
35593	Plastics-working mach. equip., exc. patterns	247.6	264.7	213.5	167.5	137.1	50.8	37.6	19.7
35594	Rubber-working mach. equip., exc. tire molds	116.6	101.6	101.6	90.1	76.8	53.9	52.5	46.4
35595	Other special industrial machinery and equipment	778.6	885.8	767.5	592.5	500.2	414.7	346.0	248.6
35590	Special industry machinery, n.e.c., n.s.k.	99.0	(22.4)	21.9	24.6	32.3	35.7	10.3	25.7

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3551.--FOOD PRODUCTS MACHINERY					
	Materials, parts, containers, and supplies, total	.....	(X)	272.1	(X)	204.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	33.4	7.6	26.5	6.7
331012	Sheet and strip	...do.....	35.7	6.4	35.3	5.9
331013	Plates	...do.....	28.6	5.6	18.4	2.9
331015	Structural shapes	...do.....	16.2	2.9	12.2	2.2
331019	All other carbon steel mill shapes and forms	...do.....	8.2	2.5	6.4	2.0
331020	Alloy steel (except stainless)	...do.....	5.7	2.7	4.1	1.6
331031	Stainless steel	...do.....	13.5	17.4	10.4	13.2
335121	Copper and copper-base alloy mill shapes and forms	Million lbs.....	1.6	1.1	1.3	1.0
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	1.6	1.2	2.2	1.2
335209	All other aluminum mill shapes and forms (extruded shapes, wire, rod, bar, powder, tubing, etc.)	...do.....	0.9	0.8	1.5	0.8
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	20.1	10.7	23.6	9.6
332300	Steel	...do.....	4.3	3.6	5.3	3.8
336100	Aluminum and aluminum-base alloy	Million lbs.....	3.0	3.6	4.0	3.4
336200	Copper and copper-base alloy	...do.....	2.0	1.9	2.1	1.6
	Electrical motors and generators:[1]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	1,000.....	127.9	5.0	85.7	3.0
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	53.2	7.1	51.3	8.7
	Bearings:					
356218	Ball	.....	(X)	3.2	(X)	2.3
356201	Roller	.....	(X)	1.6	(X)	1.8
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	141.7	(X)	90.4
976000	Materials, etc., n.s.k.[2]	.....	(X)	45.5	(X)	42.6
	INDUSTRY 3552.--TEXTILE MACHINERY					
	Materials, parts, containers, and supplies, total	.....	(X)	277.9	(X)	209.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	49.4	13.5	41.5	10.1
331012	Sheet and strip	...do.....	28.3	7.4	24.4	5.4
331015	Structural shapes	...do.....	10.3	2.1	9.5	1.9
331017	Wire and wire products	...do.....	7.0	5.9	6.0	5.0
331019	All other carbon steel mill shapes and forms	...do.....	4.1	1.4	3.2	1.3
331020	Alloy steel (except stainless)	...do.....	4.4	2.3	2.1	1.1
331031	Stainless steel	...do.....	4.8	7.3	2.7	4.8
335121	Copper and copper-base alloy mill shapes and forms	Million lbs.....	(3)	(3)	3.3	2.0
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	2.3	1.7	1.2	0.8
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.....	(NA)	2.9	1.4	1.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	1.3	0.9	1.6	0.9
	Primary metal and scrap:					
331051	Pig iron excluding silvery iron	1,000 short tons.	(3)	(3)	21.4	1.4
999811	Iron and steel scrap (excluding home scrap)	...do.....	(3)	(3)	17.6	1.1
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do.....	55.0	20.9	57.5	22.0
336100	Aluminum and aluminum-base alloy	Million lbs.....	(3)	(3)	2.1	1.9
362120	Intergral horsepower electric motors and generators (1 hp. and over)[1]	1,000.....	(NA)	7.0	25.0	4.4
	Bearings:					
356218	Ball	.....	(X)	5.8	(X)	5.5
356201	Roller	.....	(X)	1.3	(X)	0.9
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	154.6	(X)	116.7
972000	Materials, etc., n.s.k.[2]	.....	(X)	42.9	(X)	21.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3553.— WOODWORKING MACHINERY					
	Materials, parts, containers, and supplies, total	...	(X)	108.2	(X)	94.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			19.3	4.4
331012	Sheet and strip	...do			17.7	4.7
331013	Plates	...do			10.3	1.9
331019	All other carbon steel mill shapes and forms	...do	29.7	8.7	4.7	1.5
331020	Alloy steel (except stainless)	...do			3.1	2.7
331031	Stainless steel	...do			0.2	0.6
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	20.0	7.2	12.0	4.4
332300	Steel	...do	(X)	2.8	1.8	1.5
336100	Aluminum and aluminum-base alloy	Million lbs	(X)	4.1	2.8	3.3
339100	Iron and steel forgings	1,000 short tons.	(3)	(3)	1.3	1.4
362120	Integral horsepower motors and generators (1 hp. and over)[1]	1,000	73.2	5.7	38.9	2.9
	Bearings:					
356218	Ball	...	(X)	2.6	(X)	1.7
356201	Roller	...			(X)	0.8
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	49.0	(X)	47.0
972000	Materials, etc., n.s.k.[2]	...	(X)	28.1	(X)	15.7
	INDUSTRY 3554.--PAPER INDUSTRIES MACHINERY					
	Materials, parts, containers, and supplies, total	...	(X)	223.1	(X)	165.6
	Mill shapes and forms (except castings)					
	Carbon steel:					
331011	Bars and shapes	1,000 short tons..	22.8	6.0	19.8	4.8
331013	Plates	...do	41.3	7.2	21.9	3.7
331019	All other carbon steel mill shapes and forms	...do	10.5	2.9	7.2	2.0
331020	Alloy steel (except stainless)	...do	3.4	1.5	2.4	1.1
331031	Stainless steel	...do	4.4	10.1	5.2	9.6
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs			2.3	3.2
335123	Plate, sheet, and strip (including military cups and discs)	...do	(NA)	9.1	1.2	2.2
335127	Pipe and tube	...do			0.6	0.3
	Primary metals and scrap:					
331051	Pig iron, excluding silvery iron	1,000 short tons..	(D)	(D)	50.4	2.9
999811	Iron and steel scrap (excluding home scrap)	...do	(D)	(D)	13.9	1.0
	Castings (rough and semifinished):[1]					
332011	Iron (gray malleable)	...do	29.4	11.6	15.6	6.2
332300	Steel	...do	4.5	3.8	2.9	2.6
362120	Integral horsepower electric motors and generators (1 hp. and over)[1]	1,000	20.6	13.4	8.3	5.4
	Bearings:					
356218	Ball	...	(X)	5.4	(X)	3.2
356201	Roller	...	(X)	1.8	(X)	0.9
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	120.4	(X)	104.8
972000	Materials, etc., n.s.k.[2]	...	(X)	29.9	(X)	11.4
	INDUSTRY 3555.-- PRINTING TRADES MACHINERY					
	Materials, parts, containers, and supplies, total	...	(X)	234.2	(X)	123.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	23.2	7.4	18.2	5.1
331012	Sheet and strip	...do	3.8	1.0	2.4	0.5
331013	Plates	...do	4.6	1.7	2.5	0.6
331019	All other carbon steel mill shapes and forms	...do	[4]4.2	[4]1.4	3.644	1.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963-Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3555.--PRINTING TRADES MACHINERY--Continued					
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	(NA)	1.4	1.8	0.8
331029	All other alloy steel mill shapes and forms	...do			0.4	0.2
331031	Stainless steel	...do	0.5	0.6	0.4	0.9
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	(D)	(D)	0.1	(Z)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	(NA)	1.6	0.4	0.2
335123	Plate, sheet, and strip (including military cups and discs)	...do			2.6	1.2
335127	Pipe and tube	...do	(3)	(3)	0.2	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	5.7	3.6	3.2	1.6
335209	All other aluminum mill shapes and forms	...do			0.8	0.6
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	66.6	28.8	33.2	13.5
336100	Aluminum and aluminum-base alloy	Million lbs.	2.6	2.9	1.9	2.1
	Electrical motors and generators:[1]					
362115	Fractional horsepower electric motors (under 1 hp.) excluding timing motors	1,000	61.6	2.5	29.6	1.1
362120	Integral horsepower motors and generators (1hp. and over)	...do	13.1	6.6	9.0	4.5
	Bearings:					
356218	Ball		(X)	5.0	(X)	1.9
356201	Roller				(X)	1.1
970099	All other materials and components, parts, containers, and supplies consumed		(X)	116.6	(X)	58.9
973000	Materials, containers, supplies, n.s.k.[2]		(X)	53.1	(X)	26.9
	INDUSTRY 3559.--SPECIAL INDUSTRY MACHINERY, N.E.C.					
	Materials, parts, containers, and supplies, total		(X)	670.4	(X)	355.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	69.2	15.6	52.8	11.4
331012	Sheet and strip	...do	44.1	7.8	34.4	6.3
331013	Plates	...do	120.0	21.1	73.9	12.7
331015	Structural shapes	...do	38.5	6.9	23.4	4.3
331017	Wire and wire products	...do	(NA)	2.5	3.8	1.6
331019	All other carbon steel mill shapes and forms	...do	[4]21.9	[4]5.7	16.4	3.6
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	12.0	6.4	8.7	4.1
331029	All other alloy steel mill shapes and forms	...do	(NA)	5.8	4.5	1.7
331031	Stainless steel	...do	21.5	29.3	8.2	12.0
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	2.8	2.6	1.5	1.0
335123	Plate, sheet, and strip, (including military cups and discs)	...do	(NA)	3.0	1.2	0.9
335127	Pipe and tube	...do	(3)	(3)	2.0	1.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	3.4	2.3	1.9	1.0
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	1.1	0.8	1.3	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	1.7	1.3	2.3	0.9
	Primary metals and scrap:					
331051	Pig iron, excluding silvery iron	1,000 short tons.	(D)	(D)	21.3	1.7
999811	Iron and steel scrap (excluding home scrap)	...do	(D)	(D)	69.5	2.0
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	44.4	21.3	33.4	14.2
332300	Steel	...do	36.6	23.9	19.8	11.8
336100	Aluminum and aluminum-base alloy	Million lbs.	(NA)	5.3	3.9	3.3
336200	Copper and copper-base alloy	...do	3.8	4.1	2.0	2.0
	Electrical motors and generators:[1]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	1,000	(NA)	9.6	53.5	2.1
362120	Integral horsepower motors and generators (1 hp. and over)	...do	95.8	21.9	51.1	11.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3559.--SPECIAL INDUSTRY MACHINERY, N.E.C.--Continued					
	Bearings:					
356218	Ball	.....	(X)	3.9	(X)	3.0
356201	Roller	.....	(X)	3.6	(X)	2.4
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	331.3	(X)	178.8
976000	Materials, etc., n.s.k	.....	(X)	134.4	(X)	59.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard Note: - Represents zero. (X) Not applicable. (NA) Not available. (Z) Less than 0.1 when rounded. (D) Included with material code 970099, "All other materials and components, etc." to avoid disclosing figures for individual companies.

[1]No data are available for castings or electric motors and generators for quantities produced and consumed in the same establishment except the following for 1963: industry 3551--iron castings (4.9 thousand short tons) and aluminum castings (0.3 million pounds); industry 3552--iron castings (6.1 thousand short tons) and aluminum castings (0.4 million pounds); industry 3553--iron castings (11.1 thousand short tons) and steel castings (1.2 thousand short tons); industry 3554--iron castings (31.4 thousand short tons); industry 3555---iron castings (3.3 thousand short tons), aluminum castings (0.1 million pounds), and fractional horsepower electric motors (0.5 thousand); industry 3559--iron castings (12.8 thousand short tons), steel castings (0.1 thousand short tons), aluminum castings (1.6 million pounds), copper castings (0.2 million pounds), and fractional horsepower electric motors (0.2 thousnad).

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]Combined with material code 970099, "All other materials and components, parts, containers, and supplies consumed."

[4]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Textile machinery (SIC 3552)	Special industry machinery n.e.c. (SIC 3559)
	Cost of purchased fuels and electric energy, total	Million dollars.	6.5	13.1
	Cost of purchased fuels, total	...do.....	2.6	4.7
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity	1,000 short tons	(NA)	12.3
	Cost	Million dollars.	(NA)	0.1
331212	Coke:			
	Quantity	1,000 short tons	(NA)	6.5
	Cost	Million dollars.	(NA)	0.2
	Fuel oil, total:			
	Quantity	1,000 barrels...	(NA)	382.7
	Cost	Million dollars.	(NA)	1.2
291141	Distillate:			
	Quantity	1,000 barrels...	(NA)	159.6
	Cost	Million dollars.	(NA)	0.6
291151	Residual:			
	Quantity	1,000 barrels...	(NA)	223.1
	Cost	Million dollars.	(NA)	0.6
131300	Gas (natural, manufactured mixed):			
	Quantity	Million cu. ft..	(NA)	1,629.4
	Cost	Million dollars.	(NA)	1.7
960013	Other fuels (gasoline, LPG, wood, etc.)	Million dollars.	(NA)	0.1
	Fuels, n.s.k	...do.....	(NA)	1.4
	Purchased electric energy:			
	Quantity	Million kw.-hrs.	293.8	571.1
	Cost	Million dollars.	3.9	8.4
	Quantity of electric energy generated less quantity sold	Million kw.-hrs.	-	(D)
	Total energy used for heat and power[1]	Million kw.-hrs equivalent	1,674.4	2,646.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available.
(D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3551	FOOD PRODUCTS MACHINERY										
	ENTIRE INDUSTRY	642	32.6	249.4	22.0	45.2	147.2	502.9	337.9	830.2	22.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	584	25.6	197.1	17.5	35.9	117.9	402.7	270.6	665.8	16.4
35511	DAIRY, MILK PRODUCTS PLANT MACHINERY, EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	33	3.0	27.7	2.1	4.5	15.3	82.3	50.6	130.0	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	22	1.5	16.6	1.0	2.0	7.9	58.6	29.3	83.0	1.0
35512	COMMERICAL FOOD PRODUCTS MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	90	6.9	53.1	4.7	9.3	31.7	99.1	65.1	163.7	3.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	73	5.0	36.6	3.5	6.8	22.7	73.4	45.1	117.6	2.0
35513	OTHER INDUS. FOOD PROD. MACHINERY, PARTS, ACCES. (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	198	18.7	143.8	12.3	25.7	83.4	277.9	186.1	457.8	13.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	149	11.1	85.2	7.4	15.7	49.4	162.2	110.9	268.4	7.2
3552	TEXTILE MACHINERY										
	ENTIRE INDUSTRY	560	39.7	253.3	29.4	62.5	169.1	404.1	309.2	711.7	22.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	530	36.3	229.6	27.1	58.0	155.5	367.7	283.0	649.4	20.0
35521	TEXTILE MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	146	24.3	158.5	17.5	37.9	106.3	239.2	204.8	448.4	13.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	95	11.3	69.1	7.8	16.9	43.9	122.4	115.1	239.8	7.2
35522	PARTS AND ATTACHMENTS FOR TEXTILE MACHINERY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	139	12.9	80.7	9.7	20.4	52.8	142.0	88.9	225.0	7.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	113	8.1	48.3	6.7	14.1	34.9	80.3	59.7	136.8	5.1
3553	WOODWORKING MACHINERY										
	ENTIRE INDUSTRY	239	12.7	83.9	8.8	17.6	50.4	192.8	127.1	314.4	8.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	221	7.9	53.7	5.5	10.9	31.0	129.1	89.1	218.3	4.9
35531	WOODWORKING MACH., EXC. HOME, INCL. PARTS, ATTACH (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	117	11.0	74.4	7.4	15.0	43.7	171.1	103.8	269.8	6.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	97	6.0	43.0	3.9	7.8	23.6	103.2	64.5	168.5	3.9
35532	HOME SHOP WOODWORKING MACH., EXC. POWER HANDTOOLS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	10	1.0	5.4	.8	1.6	4.1	13.4	17.3	30.5	1.3
3555	PRINTING TRADES MACHINERY										
	ENTIRE INDUSTRY	522	29.2	239.6	20.1	42.2	149.2	458.7	324.8	752.3	32.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	499	27.2	224.3	18.7	38.8	138.7	432.8	305.3	707.9	30.2
35551	PRINTING PRESSES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	47	11.9	105.8	8.7	19.1	71.4	192.5	159.0	340.2	18.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	34	9.1	81.0	6.7	14.6	55.4	133.0	119.5	250.4	11.3
35552	OTHER PRINTING TRADES MACH., PARTS, ATTACHMENTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	183	15.3	119.9	9.9	20.1	67.7	240.2	150.2	369.8	12.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	163	11.1	85.4	7.5	14.9	50.6	181.7	99.6	264.9	9.5
3559	SPECIAL INDUSTRY MACHINERY, NEC										
	ENTIRE INDUSTRY	1 129	71.3	571.2	46.2	97.8	323.0	1 038.4	818.1	1 833.0	75.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 015	47.9	374.3	31.4	66.1	215.0	705.7	545.2	1 234.0	42.7
35591	CHEMICAL MFG. INDUSTRIES MACHINERY, EQUIP., PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	102	13.8	109.8	8.6	18.5	59.2	189.1	132.9	320.9	13.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	69	7.3	60.3	4.3	8.8	29.7	106.0	70.8	175.6	6.9
35592	FOUNDRY MACHINERY, EQUIP., EXC. PATTERNS, MOLDS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	51	6.5	53.2	4.3	9.8	32.3	105.0	74.0	175.0	5.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	39	3.5	29.3	2.3	5.2	16.9	56.5	44.4	100.4	2.2
35593	PLASTICS-WORKING MACH., EQUIP., EXC. PATTERNS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	95	11.6	97.3	7.4	15.8	55.4	171.6	139.9	307.1	9.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	74	4.7	38.7	3.0	6.5	21.5	71.1	65.9	134.4	4.2
35594	RUBBER-WORKING MACH., EQUIP., EXC. TIRE MOLDS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	33	3.4	27.5	2.5	5.5	18.2	52.4	46.3	99.9	2.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	25	2.8	22.2	2.1	4.5	14.9	42.1	35.8	79.1	2.3
35595	OTHER SPECIAL INDUSTRIAL MACHINERY AND EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	325	30.9	247.7	19.8	41.2	136.0	454.5	374.3	814.4	41.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	253	19.4	148.2	13.2	27.3	89.4	292.6	201.1	481.4	18.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9.--Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations."

GENERAL INDUSTRIAL MACHINERY AND EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3561--Pumps, Air and Gas Compressors, and Pumping Equipment
3562--Ball and Roller Bearings
3564--Blowers and Exhaust and Ventilation Fans
3565--Industrial Patterns
3566--Mechanical Power Transmission Equipment, Except Ball and Roller Bearings
3567--Industrial Process Furnaces and Ovens
3569--General Industrial Machinery and Equipment, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3561--PUMPS, AIR AND GAS COMPRESSORS, AND PUMPING EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing pumps, compressors, and pumping equipment for general industrial use. Establishments primarily engaged in manufacturing measuring and dispensing pumps for gasoline service station use are classified in industry 3586; and icemaking, refrigerating, and air conditioning units in industry 3585. For a detailed list of products of industry 3561, refer to table 6A, product codes 3561100 to 3561611.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Pumps and Compressors Industry in 1967 totaled $2,207 million. This included shipments of pumps and compressors (primary products), valued at $1,705 million, shipments of other products (secondary products) valued at $265 million, and miscellaneous receipts (mainly resales) of $237 million.

This industry's shipments of pumps and compressors (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 85 percent. Secondary products shipped by this industry in 1967 included valves and pipe fittings ($42 million), and internal combustion engines, n.e.c. ($37 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 34 percent of the total industry shipments are represented by plants specializing in product class 35614, Air and gas compressors, except refrigeration compressors 27 percent in 35611, Industrial pumps, except hydraulic fluid power pumps.

Industry 3561 shipments of pumps and compressors (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $1,947 million shipped by all industries. In 1963, the coverage ratio was 86 percent. Other industries shipping pumps and compressors (primary products) consisted mainly of industry 3494, Valves and Pipe Fittings, $33 million; and industry 3533, Oilfield Machinery, $23 million; industry 3621, Motors and Generators, $22 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3561, these establishments accounted for less than 1 percent of payroll and 1 percent of value added by manufacture.

3562--BALL AND ROLLER BEARINGS

This industry comprises establishments primarily engaged in manufacturing ball and roller bearings and parts. Establishments primarily engaged in manufacturing bearings, except ball and roller, are classified in industry 3566. For a detailed list of products of industry 3562, refer to table 6A, product codes 3562103 to 3562951.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Ball And Roller Bearings Industry in 1967 totaled $1,328 million. This included shipments of ball and roller bearings (primary products), valued at $1,260 million, shipments of other products (secondary products) valued at $35 million, and miscellaneous receipts (mainly resales) of $33 million.

This industry's shipments of ball and roller bearings (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio was the same in 1963. Secondary products shipped by this industry in 1967 included power transmission equipment ($12 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 40 percent of the total industry shipments are represented by plants specializing in product class 35621, Ball bearings, complete; and 29 percent in 35622, Taper (except thrust) roller bearings, complete.

Industry 3562 shipments of ball and roller bearings (primary products) in 1967 represented 97 percent (coverage ratio) of these products valued at $1,292 million shipped by all industries. In 1963, the coverage ratio was 98 percent. Other industries shipping ball and roller bearings (primary products) consisted mainly of industry 3566, Power Transmission Equipment, $22 million

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For

industry 3562, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3564--BLOWERS AND EXHAUST AND VENTILATION FANS

This industry comprises establishments primarily engaged in manufacturing industrial and commercial blowers, industrial and commercial exhaust and ventilating fans, and attic fans. Establishments primarily engaged in manufacturing air-conditioning units are classified in industry 3585, and free air-circulating fans for use on desks, pedestals, or wall brackets, as well as household window-type fans and roll-abouts, kitchen and household ventilating and exhaust fans in industry 3634. For a detailed list of products of industry 3564, refer to table 6A, product codes 3564100 to 3564259.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Blowers And Fans Industry in 1967 totaled $525 million. This included shipments of blowers and fans (primary products), valued at $411 million, shipments of other products (secondary products) valued at $71 million, and miscellaneous receipts (mainly resales) of $43 million.

This industry's shipments of blowers and fans (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent. Secondary products shipped by this industry in 1967 included heating equipment, except electric ($10 million), and power transmission equipment ($7 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 62 percent of the total industry shipments are represented by plants specializing in product class 35641, Industrial fans and blowers; and 33 percent in 35642, Dust collection, air purification equipment and air washers.

Industry 3564 shipments of blowers and fans (primary products) in 1967 represented 82 percent (coverage ratio) of these products valued at $499 million shipped by all industries. In 1963, the coverage ratio was 79 percent. Other industries shipping blowers and fans (primary products) included industry 3559, Special Industry Machinery, N.E.C., $14 million; and industry 3433, Heating Equipment, Except Electric, $13 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3564, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3565--INDUSTRIAL PATTERNS

This industry comprises establishments primarily engaged in manufacturing industrial patterns. For a detailed list of products of industry 3565, refer to table 6A, product codes 3565011 to 3565098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Industrial Patterns Industry in 1967 totaled $202 million. This included shipments of industrial patterns (primary products), valued

at $186 million, shipments of other products (secondary products) valued at $8 million, and miscellaneous receipts of $8 million.

This industry's shipments of industrial patterns (primary products) in 1967 represented 96 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 96 percent. Secondary products shipped by this industry in 1967 consisted mainly of miscellaneous machinery, except electrical ($4 million), and aluminum castings ($2 million).

Industry 3565 shipments of industrial patterns (primary products) in 1967 represented 80 percent (coverage ratio) of these products valued at $234 million shipped by all industries. In 1963, the coverage ratio was also 80 percent. Other industries shipping industrial patterns (primary products) consisted mainly of industry 3361, Aluminum Foundries, $16 million; and industry 3321, Gray Iron Foundries, $13 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3565, these establishments accounted for 8 percent of payroll and 11 percent of value added by manufacture.

3566--MECHANICAL POWER TRANSMISSION EQUIPMENT, EXCEPT BALL AND ROLLER BEARINGS

This industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment and parts, for industrial machinery. Establishments primarily engaged in manufacturing automotive, tank, and tractor power transmission equipment are classified in industry 3714; aircraft power transmission equipment in industry 3729; and ball and roller bearings in industry 3562. For a detailed list of products of industry 3566, refer to table 6A, product codes 3566115 to 3566398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Power Transmission Equipment Industry in 1967 totaled $1,263 million. This included shipments of power transmission equipment (primary products), valued at $1,060 million, shipments of other products (secondary products) valued at $117 million, and miscellaneous receipts (mainly resales) of $86 million.

This industry's shipments of power transmission equipment (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 84 percent.

Industry 3566 shipments of power transmission equipment (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $1,283 million shipped by all industries. In 1963, the coverage ratio was 79 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3566, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3567--INDUSTRIAL PROCESS FURNACES AND OVENS

This industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment and related devices. For a detailed list of products of industry 3567, refer to table 6A, product codes 3567111 to 3567391.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Industrial Furnaces and Ovens Industry in 1967 totaled $496 million. This included shipments of industrial furnaces and ovens (primary products), valued at $366 million, shipments of other products (secondary products) valued at $54 million, and miscellaneous receipts of $76 million.

This industry's shipments of industrial furnaces and ovens (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent. Secondary products shipped by this industry in 1967 included special industry machinery, n.e.c. ($13 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 44 percent of the total industry shipments are represented by plants specializing in product class 35672, Fuel-fired industrial furnaces and ovens, metal processing; and 31 percent in 35673, High frequency induction and dielectric heating equipment and parts, attachments and components.

Industry 3567 shipments of industrial furnaces and ovens (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $416 million shipped by all industries. In 1963, the coverage ratio was 85 percent. Other industries shipping industrial furnaces and ovens (primary products) included industry 3559, Special Industry Machinery, N.E.C., $10 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3567, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3569--GENERAL INDUSTRIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing machinery, equipment, and components for general industrial use, and for which no special classification is provided. Machine shops primarily engaged in producing machine and equipment parts, usually on a job or order basis, are classified in industry 3599. For a detailed list of products of industry 3569, refer to table 6A, product codes 3569012 to 3569098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the General Industrial Machinery, N.E.C., Industry in 1967 totaled $901 million. This included shipments of general industrial machinery, n.e.c. (primary products), valued at $712 million, shipments of other products (secondary products) valued at $121 million, and miscellaneous receipts (mainly resales) of $67 million.

This industry's shipments of general industrial machinery, n.e.c. (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent. Secondary products shipped by this industry in 1967 consisted mainly of special industry machinery, n.e.c. ($24 million), and fabricated metal products, n.e.c. ($12 million).

Industry 3569 shipments of general industrial machinery, n.e.c. (primary products) in 1967 represented 79 percent (coverage ratio) of these products valued at $900 million shipped by all industries. In 1963, the coverage ratio was70 percent. Other industries shipping general industrial machinery, n.e.c. (primary products) included industry 3559, Special Industry Machinery, N.E.C., $38 million; industry 3443, Fabricated Platework (Boiler Shop Products), $12 million; and industry 3494, Valves and Pipe Fittings, $12 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3569, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3561.--PUMPS AND COMPRESSORS														
1967 Census....	660	299	78.3	591.7	49.8	104.6	335.3	1,210.2	1,031.9	2,207.5	62.3	587.5	87	88
1966 ASM[1].....	(NA)	(NA)	78.7	578.7	50.5	108.6	337.2	1,202.4	1,006.9	2,151.1	62.5	562.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	74.0	517.3	47.4	99.6	297.4	1,059.2	879.5	1,873.9	45.1	489.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	67.9	457.6	43.0	91.1	263.0	922.6	744.7	1,627.1	31.7	405.9	(NA)	(NA)
1963 Census....	642	267	61.3	395.8	38.9	80.8	224.7	768.8	660.5	1,419.1	28.4	352.1	85	86
1962 ASM[1].....	(NA)	(NA)	61.6	383.3	38.2	78.6	214.4	681.4	602.0	1,296.7	24.7	297.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	59.4	353.6	37.0	75.6	196.2	636.0	569.4	1,229.7	18.5	275.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	62.8	360.8	39.7	80.5	206.1	674.1	603.0	1,275.1	26.1	285.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	59.4	330.5	38.1	76.4	188.6	624.0	580.7	1,207.6	23.9	269.3	(NA)	(NA)
1958 Census[2]...	582	243	60.0	321.5	37.4	75.0	180.1	542.0	535.2	1,114.1	24.7	267.0	87	85
INDUSTRY 3562.--BALL AND ROLLER BEARINGS														
1967 Census....	124	97	58.8	456.0	47.5	100.9	343.5	833.3	510.8	1,328.5	107.1	318.0	97	97
1966 ASM[1].....	(NA)	(NA)	61.4	465.4	49.8	108.0	359.8	872.3	556.7	1,398.9	91.4	305.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	57.4	419.9	46.5	99.7	320.6	792.3	501.1	1,270.9	64.9	274.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	53.6	384.2	43.2	91.3	294.2	695.1	443.8	1,116.6	44.9	236.2	(NA)	(NA)
1963 Census....	125	93	52.3	348.7	42.0	86.0	263.0	627.7	372.3	998.8	39.2	219.6	97	98
1962 ASM[1].....	(NA)	(NA)	53.4	348.0	42.5	85.0	249.6	623.5	345.4	962.7	32.9	213.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	50.3	306.4	39.6	76.8	215.4	530.4	291.6	824.1	32.3	199.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	54.1	315.1	42.6	84.1	225.8	547.6	315.8	865.3	44.9	201.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	53.7	325.3	43.4	91.6	243.2	599.8	358.7	920.0	35.5	207.0	(NA)	(NA)
1958 Census[2]...	107	81	46.4	241.2	35.8	67.3	169.1	407.7	231.3	649.6	34.3	156.9	98	98
INDUSTRY 3564.--BLOWERS AND FANS														
1967 Census....	287	129	21.0	149.2	14.9	31.5	93.2	302.2	222.6	525.2	14.5	84.7	85	82
1966 ASM[1].....	(NA)	(NA)	17.9	126.6	13.0	26.7	78.8	253.5	198.4	444.3	12.5	76.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.0	115.0	11.8	24.6	68.9	223.1	180.6	400.5	8.4	64.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	15.1	102.9	10.7	23.0	63.3	191.2	149.0	339.0	*8.7	54.3	(NA)	(NA)
1963 Census....	237	97	15.2	94.1	10.7	21.6	57.8	180.8	135.7	315.3	7.0	53.3	83	79
1962 ASM[1].....	(NA)	(NA)	14.7	93.6	9.8	20.4	51.7	169.2	140.2	307.0	*7.7	53.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	14.4	88.9	9.6	19.5	49.7	155.1	131.6	286.2	5.2	49.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	14.6	88.5	9.8	19.7	49.9	153.8	125.3	280.5	*6.0	52.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	15.5	88.6	10.5	21.2	50.5	154.6	132.9	285.6	4.5	56.1	(NA)	(NA)
1958 Census[2]...	207	104	15.9	82.5	11.0	21.4	50.3	145.0	121.6	271.6	5.6	51.2	83	79
INDUSTRY 3565.--INDUSTRIAL PATTERNS														
1967 Census....	1,163	141	10.9	106.0	9.5	19.4	86.7	165.5	37.0	201.8	8.1	12.7	96	80
1966 ASM[1].....	(NA)	(NA)	12.2	118.0	10.7	22.5	100.8	187.3	52.0	233.0	*11.7	15.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	12.1	101.3	10.6	20.4	87.7	158.3	46.4	201.7	*7.4	10.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	10.5	87.6	9.4	19.4	76.0	138.3	33.2	170.0	*7.4	9.0	(NA)	(NA)
1963 Census....	1,209	106	9.9	75.6	8.7	17.7	64.9	112.6	29.2	140.7	3.8	8.4	96	80
1962 ASM[1].....	(NA)	(NA)	9.5	67.0	8.6	16.0	56.6	98.3	22.2	119.7	*1.0	6.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.9	59.1	8.1	14.5	49.1	85.5	21.5	106.4	*1.5	5.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	9.1	63.8	8.4	15.4	53.7	93.0	22.3	116.5	(S)	5.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	9.4	61.4	8.6	16.2	51.8	88.3	23.1	110.4	(S)	6.3	(NA)	(NA)
1958 Census[2]...	1,174	96	8.9	54.7	7.7	13.9	45.4	78.1	20.7	98.3	3.2	6.1	95	74
INDUSTRY 3566.--POWER TRANSMISSION EQUIPMENT														
1967 Census....	513	303	54.8	409.4	40.6	83.4	273.6	800.7	483.9	1,263.4	57.3	289.3	90	83
1966 ASM[1].....	(NA)	(NA)	55.4	417.1	41.5	89.8	287.1	829.2	515.7	1,314.1	53.2	276.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	52.6	371.0	39.3	82.4	252.3	713.1	450.1	1,147.4	41.1	240.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	48.3	334.9	36.3	76.5	229.3	622.4	393.7	998.2	31.7	210.1	(NA)	(NA)
1963 Census....	532	272	46.7	303.3	34.4	71.1	203.9	555.7	345.1	888.6	26.4	190.6	84	79
1962 ASM[1].....	(NA)	(NA)	43.6	281.7	31.4	64.6	182.8	494.9	300.9	787.6	*32.0	169.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	40.0	244.8	28.8	57.8	157.3	429.0	252.3	682.6	17.2	146.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	41.8	249.8	30.3	61.4	161.8	431.1	257.0	691.9	23.0	142.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	44.2	255.6	32.2	64.6	168.4	470.9	283.3	739.9	21.9	153.7	(NA)	(NA)
1958 Census[2]...	470	236	41.8	226.1	29.8	57.5	143.8	384.4	230.8	630.3	26.8	133.6	87	85
INDUSTRY 3567.--INDUSTRIAL FURNACES AND OVENS														
1967 Census....	255	117	16.1	129.3	8.9	18.3	58.2	259.4	236.1	495.7	11.6	66.5	87	88
1966 ASM[1].....	(NA)	(NA)	14.3	112.2	8.0	17.7	52.4	212.9	199.1	401.0	5.4	61.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	12.9	102.4	7.3	16.2	46.8	193.9	164.3	349.4	6.6	51.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	12.3	93.0	6.9	15.2	41.5	169.7	158.3	324.0	4.0	44.9	(NA)	(NA)
1963 Census....	238	93	12.1	83.7	6.8	14.0	38.7	143.0	137.7	279.1	4.6	41.1	83	85
1962 ASM[1].....	(NA)	(NA)	11.1	72.3	6.2	13.0	33.7	117.5	121.2	238.0	2.3	30.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	10.7	69.9	5.9	12.7	31.5	115.7	107.9	225.1	*2.7	29.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.3	71.0	6.3	13.5	33.5	124.8	129.6	259.8	2.1	30.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	11.0	65.1	6.4	13.3	31.6	114.6	113.0	222.5	(S)	33.9	(NA)	(NA)
1958 Census[2]...	201	89	10.3	57.4	5.8	11.7	26.9	96.4	101.8	204.8	2.9	30.3	85	83

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3569.--GENERAL INDUSTRIAL MACHINERY, N.E.C.													
1967 Census....	758	346	39.4	295.4	25.4	52.3	163.2	535.9	379.8	901.2	30.5	194.8	85	79
1966 ASM[1].....	(NA)	(NA)	41.0	308.3	25.5	52.9	156.6	638.8	420.5	1,024.1	34.5	189.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	38.9	278.4	23.4	47.9	135.6	517.4	347.4	855.6	27.5	153.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	36.7	264.2	20.6	43.5	117.9	436.9	284.2	708.6	19.4	143.3	(NA)	(NA)
1963 Census....	777	277	35.6	240.8	20.3	40.9	109.4	424.1	272.7	691.3	15.1	123.4	83	70
1962 ASM[1].....	(NA)	(NA)	33.0	219.1	19.2	36.7	92.9	284.4	314.9	609.4	*20.4	94.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	30.6	200.6	17.2	33.9	86.2	256.9	297.4	572.2	20.1	89.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	29.5	185.8	16.6	33.4	82.1	261.6	252.3	549.9	18.7	94.8	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	28.9	175.6	16.9	33.2	80.5	306.9	207.6	496.2	20.2	124.9	(NA)	(NA)
1958 Census[2]...	584	209	28.0	159.9	16.1	31.8	75.6	281.4	189.8	458.3	17.3	104.0	87	74

Note: In 1967, 1963, and 1958, the number of companies in industry 3561 was 590, 589, and 530, respectively; in industry 3562: 85, 93, and 86; industry 3564: 271, 225, and 199; industry 3565: 1,156, 1,206, and 1,170; industry 3566: 476, 498, and 449; industry 3567: 246, 229, and 197; industry 3569: 725, 754, and 568. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. * These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1] Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2] Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3561-PUMPS AND COMPRESSORS								
1967 Census.....	7,561	64	2,100	3.20	.47	.74	15,461	49	11.57
1966 ASM.....	7,352	64	2,150	3.11	.47	.74	15,277	48	11.08
1965 ASM.....	6,993	64	2,101	2.99	.47	.75	14,317	49	10.63
1964 ASM.....	6,744	63	2,118	2.89	.46	.74	13,596	50	10.13
1963 Census.....	6,454	63	2,076	2.78	.47	.74	12,537	51	9.51
1962 ASM.....	6,222	62	2,060	2.73	.46	.76	11,060	56	8.66
1961 ASM.....	5,951	62	2,043	2.60	.46	.75	10,704	56	8.41
1960 ASM.....	5,745	63	2,028	2.56	.47	.76	10,733	54	8.37
1959 ASM.....	5,564	64	2,003	2.47	.48	.75	10,505	53	8.17
1958 Census.....	5,355	62	2,004	2.40	.48	.77	9,028	59	7.23
	INDUSTRY 3562-BALL AND ROLLER BEARINGS								
1967 Census.....	7,748	81	2,125	3.40	.38	.73	14,160	55	8.26
1966 ASM.....	7,574	81	2,166	3.33	.40	.73	14,196	53	8.08
1965 ASM.....	7,317	81	2,141	3,22	.39	.72	13,805	53	7.95
1964 ASM.....	7,171	81	2,115	3.22	.40	.74	12,975	55	7.62
1963 Census.....	6,665	80	2,047	3.06	.37	.72	11,998	56	7.30
1962 ASM.....	6,518	80	2,001	2.94	.36	.72	11,677	56	7.34
1961 ASM.....	6,094	79	1,940	2.81	.35	.73	10,548	58	6.91
1960 ASM.....	5,823	79	1,977	2.68	.36	.73	10,120	58	6.51
1959 ASM.....	6,057	81	2,111	2.66	.39	.74	11,168	54	6.55
1958 Census.....	5,193	77	1,883	2.51	.36	.73	8,780	59	6.06

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967-Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3564-BLOWERS AND FANS								
1967 Census	7,107	71	2,116	2.96	.42	.71	14,389	49	9.58
1966 ASM	7,078	73	2,056	2.96	.45	.73	14,170	50	9.51
1965 ASM	6,758	69	2,083	2.80	.45	.74	13,110	52	9.07
1964 ASM	6,832	71	2,137	2.75	.44	.74	12,698	54	8.33
1963 Census	6,172	70	2,014	2.67	.43	.73	11,860	52	8.36
1962 ASM	6,357	67	2,077	2.53	.46	.76	11,496	55	8.29
1961 ASM	6,161	67	2,022	2.55	.46	.77	10,747	57	7.95
1960 ASM	6,064	67	2,000	2.53	.45	.76	10,537	58	7.81
1959 ASM	5,704	68	2,021	2.38	.47	.78	9,947	57	7.29
1958 Census	5,171	69	1,945	2.36	.45	.75	9,096	57	6.79
	INDUSTRY 3565-INDUSTRIAL PATTERNS								
1967 Census	9,767	87	2,051	4.46	.18	.71	15,241	64	8.52
1966 ASM	9,695	88	2,102	4.48	.22	.73	15,388	63	8.33
1965 ASM	8,380	88	1,928	4.29	.23	.73	13,095	64	7.75
1964 ASM	8,353	90	2,066	3.91	.20	.71	13,189	63	7.12
1963 Census	7,626	88	2,039	3.66	.21	.74	11,356	67	6.36
1962 ASM	7,086	91	1,860	3.54	.19	.75	10,391	68	6.16
1961 ASM	6,654	91	1,785	3.40	.20	.76	9,627	69	5.91
1960 ASM	6,974	92	1,834	3.48	.19	.74	10,170	69	6.04
1959 ASM	6,516	91	1,886	3.20	.21	.77	9,361	70	5.45
1958 Census	6,172	87	1,816	3.25	.21	.77	8,806	70	5.60
	INDUSTRY 3566-POWER TRANSMISSION EQUIPMENT								
1967 Census	7,477	74	2,052	3.28	.38	.71	14,624	51	9.61
1966 ASM	7,527	75	2,161	3.20	.39	.71	14,962	50	9.24
1965 ASM	7,058	75	2,094	3.06	.39	.72	13,568	52	8.66
1964 ASM	6,932	75	2,107	3.00	.39	.73	12,884	54	8.13
1963 Census	6,499	74	2,067	2.87	.39	.73	11,907	55	7.82
1962 ASM	6,456	72	2,059	2.83	.38	.74	11,341	57	7.66
1961 ASM	6,115	72	2,008	2.72	.37	.73	10,714	57	7.43
1960 ASM	5,971	72	2,024	2.64	.37	.73	10,306	58	7.02
1959 ASM	5,785	73	2,002	2.61	.38	.73	10,657	54	7.30
1958 Census	5,411	71	1,933	2.50	.37	.72	9,199	59	6.68
	INDUSTRY 3567-INDUSTRIAL FURNACES AND OVENS								
1967 Census	8,030	55	2,057	3.18	.48	.74	16,110	50	14.15
1966 ASM	7,861	56	2,203	2.96	.50	.78	14,913	53	12.03
1965 ASM	7,951	57	2,220	2.89	.47	.76	15,053	53	11.98
1964 ASM	7,587	56	2,207	2.73	.49	.78	13,847	55	11.15
1963 Census	6,910	56	2,059	2.77	.49	.79	11,801	59	10.24
1962 ASM	6,527	56	2,110	2.59	.51	.81	10,607	62	9.03
1961 ASM	6,518	55	2,152	2.48	.48	.79	10,789	60	9.12
1960 ASM	6,296	56	2,121	2.48	.50	.77	11,065	57	9.27
1959 ASM	5,943	58	2,080	2.38	.51	.80	10,460	57	8.62
1958 Census	5,579	56	2,021	2.30	.50	.78	9,375	60	8.26
	INDUSTRY 3569-GENERAL INDUSTRIAL MACHINERY N.E.C.								
1967 Census	7,504	65	2.058	3.12	.42	.75	13,615	55	10.24
1966 ASM	7,513	62	2,073	2.96	.41	.71	15,565	48	12.08
1965 ASM	7,160	60	2,042	2.83	.41	.73	13,304	54	10.81
1964 ASM	7,195	56	2,113	2.71	.40	.77	11,898	60	10.04
1963 Census	6,772	57	2,010	2.68	.39	.74	11,926	57	10.38
1962 ASM	6,633	58	1,916	2.53	.52	.88	8,610	77	7.75
1961 ASM	6,546	56	1,965	2.54	.52	.87	8,381	78	7.58
1960 ASM	6,304	56	2,011	2.46	.46	.80	8,876	71	7.84
1959 ASM	6,075	58	1,969	2.42	.77	.77	10,618	57	9.23
1958 Census	5,708	57	1,978	2.38	.41	.76	10,046	57	8.85

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3561-- PUMPS AND COMPRESSORS													
UNITED STATES	660	299	78.3	591.7	49.8	104.6	335.3	1 210.2	1 032.0	2 207.5	62.3	61.3	768.8
NORTHEAST REGION	154	75	30.0	228.4	18.8	39.6	129.4	444.6	387.8	820.2	19.0	23.4	272.8
NEW ENGLAND DIVISION	33	17	3.7	28.0	2.3	5.0	15.8	61.7	35.3	96.1	2.9	4.2	52.4
MASSACHUSETTS	17	10	2.5	18.0	1.6	3.5	10.8	39.0	22.6	61.6	2.2	2.3	24.0
RHODE ISLAND	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	121	58	26.3	200.4	16.5	34.6	113.6	382.9	352.5	724.1	16.2	19.2	220.4
NEW YORK	38	18	11.6	86.8	7.0	14.1	46.0	154.3	179.5	331.1	7.8	8.8	99.4
NEW JERSEY	34	14	5.4	43.6	3.3	7.3	25.6	74.5	80.7	152.4	1.4	6.0	69.6
PENNSYLVANIA	49	26	9.3	70.1	6.2	13.2	42.0	154.1	92.3	240.5	6.9	4.5	51.5
NORTH CENTRAL REGION	246	124	33.4	249.6	21.4	44.8	144.2	535.2	375.0	896.5	31.1	26.4	352.2
EAST NORTH CENTRAL DIVISION	203	100	27.3	205.7	17.2	36.1	116.9	418.8	311.1	718.3	25.8	22.3	286.8
OHIO	52	29	11.3	83.6	7.0	14.5	47.3	166.7	119.2	280.7	9.1	9.0	104.0
INDIANA	20	9	2.4	16.6	1.5	3.0	9.2	39.1	35.8	73.4	1.4	2.3	27.6
ILLINOIS	53	30	7.7	57.3	5.1	11.0	33.0	123.4	85.3	204.1	10.7	6.3	97.6
MICHIGAN	44	18	2.6	20.0	1.7	3.4	10.8	38.6	26.0	63.4	2.3	1.9	24.0
WISCONSIN	34	14	3.3	28.2	1.9	4.2	16.6	50.9	44.8	96.7	2.3	2.9	33.7
WEST NORTH CENTRAL DIVISION	43	24	6.1	43.9	4.2	8.7	27.3	116.4	63.9	178.2	5.3	4.1	65.4
MINNESOTA	10	5	1.8	13.7	1.2	2.5	7.7	30.1	17.4	46.9	1.4	(D)	(D)
IOWA	9	5	.9	6.7	.6	1.2	3.7	13.3	9.8	22.7	.5	.8	9.7
MISSOURI	6	3	.3	2.2	.2	.4	1.4	4.3	3.9	8.1	(D)	1.2	14.9
NEBRASKA	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	130	53	7.9	55.9	5.6	11.8	33.6	131.2	130.6	255.1	6.6	5.2	64.1
SOUTH ATLANTIC DIVISION	36	7	.6	3.9	.4	.9	2.2	9.6	6.7	16.2	.3	.4	4.1
GEORGIA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA	17	4	.2	1.5	.1	.3	.9	3.5	2.6	5.8	(Z)	.3	2.9
EAST SOUTH CENTRAL DIVISION	16	5	1.6	10.9	1.2	2.6	7.6	35.1	21.1	56.6	1.1	.6	5.6
TENNESSEE	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	7	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	78	41	5.7	41.1	3.9	8.3	23.8	86.5	102.8	182.3	5.1	3.9	51.1
ARKANSAS	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	20	13	2.4	16.4	1.6	3.4	9.3	34.3	32.0	64.6	1.5	1.5	17.4
TEXAS	49	24	2.6	19.6	1.9	4.1	12.3	47.9	54.6	98.0	3.3	2.1	30.7
WEST REGION	130	47	7.0	57.8	4.0	8.4	28.1	99.2	138.6	235.7	5.6	6.3	79.7
MOUNTAIN DIVISION	17	7	.7	5.5	.4	.9	2.7	10.2	16.4	27.8	.5	.4	7.6
COLORADO	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
UTAH	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	113	40	6.3	52.2	3.7	7.6	25.4	88.9	122.2	207.9	5.1	5.9	72.1
CALIFORNIA	104	39	6.2	51.7	3.6	7.5	25.1	87.6	120.8	205.1	5.1	5.8	71.7
3562-- BALL AND ROLLER BEARINGS													
UNITED STATES	124	97	58.8	456.0	47.5	100.9	343.5	833.3	510.8	1 328.5	107.1	52.3	627.7
NORTHEAST REGION	64	51	32.8	257.3	26.4	56.8	194.7	457.2	213.3	660.6	54.1	30.6	347.5
NEW ENGLAND DIVISION	24	22	17.9	138.6	14.6	32.8	104.6	245.6	90.3	329.6	31.6	17.0	182.1
NEW HAMPSHIRE	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	19	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	15.1	165.5
MIDDLE ATLANTIC DIVISION	40	29	14.9	118.6	11.8	24.0	90.1	211.6	123.0	331.0	22.4	13.5	165.4
NEW YORK	15	10	4.4	32.8	3.2	6.8	23.6	59.5	32.7	92.8	4.0	4.5	46.3
NEW JERSEY	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	17	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	39	28	22.3	177.2	17.9	37.3	132.7	321.6	263.3	580.8	46.7	20.0	259.9
EAST NORTH CENTRAL DIVISION	36	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	7	7	3.1	23.7	2.2	4.7	16.7	52.9	28.1	77.9	6.4	[2](D)	[2](D)
ILLINOIS	9	7	3.4	27.5	2.5	5.5	18.6	56.5	34.4	91.1	10.4	2.7	33.9
MICHIGAN	8	5	4.6	38.5	3.8	8.6	29.4	59.3	38.4	94.6	4.6	4.3	55.0
SOUTH REGION	15	13	3.0	16.3	2.6	5.5	12.7	44.4	29.4	73.1	5.9	1.2	15.5
SOUTH ATLANTIC DIVISION	11	10	2.1	11.2	1.9	3.9	9.0	33.1	19.0	52.4	5.1	(D)	(D)
VIRGINIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	7	7	1.5	7.8	1.4	2.9	6.4	19.5	9.9	29.3	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3562-- BALL AND ROLLER BEARINGS--CON.													
WEST REGION	6	5	.7	5.2	.5	1.2	3.3	10.0	4.8	14.0	.4	(D)	(D)
PACIFIC DIVISION	6	5	.7	5.2	.5	1.2	3.3	10.0	4.8	14.0	.4	.6	4.8
CALIFORNIA	6	5	.7	5.2	.5	1.2	3.3	10.0	4.8	14.0	.4	.6	4.8
3564-- BLOWERS AND FANS													
UNITED STATES	287	129	21.0	149.2	14.9	31.5	93.2	302.2	222.6	525.2	14.5	15.2	180.6
NORTHEAST REGION	78	37	8.1	59.5	5.8	12.8	36.5	115.9	79.2	195.2	6.3	5.8	61.5
NEW ENGLAND DIVISION	17	9	2.4	18.6	1.8	4.1	11.4	30.8	24.6	55.7	1.5	2.3	22.3
MASSACHUSETTS	11	5	1.2	8.8	.9	2.0	5.9	14.5	14.2	28.9	(D)	1.2	9.8
CONNECTICUT	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	61	28	5.7	40.9	4.1	8.7	25.1	85.1	54.6	139.5	4.8	3.7	41.0
NEW YORK	26	11	3.1	22.8	2.4	5.4	15.8	42.1	27.8	71.0	1.8	2.1	23.2
NEW JERSEY	17	9	1.5	11.3	.9	1.7	5.0	27.0	18.2	44.1	2.6	.9	9.6
PENNSYLVANIA	18	8	1.1	6.8	.8	1.6	4.3	16.0	8.7	24.4	.4	.7	8.2
NORTH CENTRAL REGION	104	57	8.2	58.6	5.8	11.7	35.8	123.0	90.9	214.7	4.6	6.4	79.2
EAST NORTH CENTRAL DIVISION	92	50	7.6	54.2	5.4	10.8	33.2	113.4	85.2	199.6	4.3	5.8	72.9
OHIO	22	15	2.3	17.0	1.6	3.3	10.6	33.7	25.3	59.3	1.0	1.6	19.8
INDIANA	12	7	1.8	11.4	1.3	2.7	7.5	23.3	17.2	41.0	1.0	1.3	12.7
ILLINOIS	33	15	1.6	10.6	1.0	2.0	6.0	25.1	16.8	41.8	.4	1.1	15.7
MICHIGAN	14	7	1.5	12.1	1.1	2.1	7.3	24.3	20.5	45.4	1.7	1.5	19.5
WISCONSIN	11	6	.5	3.0	.3	.7	1.8	7.0	5.4	12.1	.2	.3	5.1
WEST NORTH CENTRAL DIVISION	12	7	.6	4.4	.4	.9	2.6	9.5	5.6	15.1	.4	.5	4.7
MINNESOTA	4	4	.5	3.8	.3	.7	2.1	8.4	4.7	13.1	.3	.4	4.2
SOUTH REGION	63	21	3.2	21.0	2.2	4.9	14.4	45.0	41.0	85.1	2.7	1.6	23.9
SOUTH ATLANTIC DIVISION	25	6	1.2	8.3	.7	1.9	4.8	10.7	13.2	25.1	1.5	(D)	(D)
MARYLAND	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.1
EAST SOUTH CENTRAL DIVISION	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KENTUCKY	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	7	3	.2	.9	.1	.2	.5	1.8	1.2	3.0	.2	(D)	(D)
WEST SOUTH CENTRAL DIVISION	23	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	19	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	42	14	1.5	10.2	1.0	2.1	6.5	18.3	11.6	30.1	.8	1.4	16.0
PACIFIC DIVISION	35	13	1.4	9.7	1.0	2.0	6.2	17.5	10.8	28.4	.8	1.4	15.7
CALIFORNIA	32	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	15.1
3565-- INDUSTRIAL PATTERNS													
UNITED STATES	1 163	141	10.9	106.0	9.5	19.4	86.7	165.5	37.0	201.8	8.1	9.9	112.6
NORTHEAST REGION	308	26	2.2	17.9	1.9	3.9	14.6	28.7	7.6	36.1	1.2	2.1	20.2
NEW ENGLAND DIVISION	94	8	.6	5.2	.5	1.0	4.1	7.7	2.0	9.7	.2	.6	5.8
MASSACHUSETTS	50	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.4
CONNECTICUT	26	1	.2	1.5	.1	.3	1.2	2.5	.6	3.1	.1	.1	1.7
MIDDLE ATLANTIC DIVISION	214	18	1.6	12.7	1.4	2.9	10.5	21.0	5.6	26.4	.9	1.5	14.4
NEW YORK	72	5	.5	4.5	.5	1.0	3.6	7.3	1.9	9.1	.4	.6	6.5
NEW JERSEY	42	3	.3	2.4	.2	.5	1.8	3.8	.8	4.6	.1	[2](D)	[2](D)
PENNSYLVANIA	100	10	.8	5.9	.7	1.4	5.0	9.8	2.9	12.7	.4	[2](D)	[2](D)
NORTH CENTRAL REGION	621	99	7.4	77.6	6.4	13.2	63.4	118.5	24.3	142.3	4.7	6.6	80.1
EAST NORTH CENTRAL DIVISION	563	93	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	144	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
INDIANA	38	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	5.1
ILLINOIS	115	15	1.1	10.3	1.0	1.9	8.8	15.6	3.9	19.5	.5	.9	10.4
MICHIGAN	188	42	3.3	38.3	2.8	5.9	30.7	57.5	10.2	67.4	2.6	3.0	40.7
WISCONSIN	78	13	.7	6.8	.6	1.2	5.6	10.0	2.2	12.4	.3	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	58	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	18	3	.2	2.1	.2	.4	1.7	3.6	.7	4.3	.1	.3	2.8
SOUTH REGION[e]	98	5	.5	3.8	.4	.9	3.1	6.1	1.9	8.1	1.7	.5	4.4
EAST SOUTH CENTRAL DIVISION	27	3	.2	1.5	.2	.4	1.2	2.4	.9	3.3	1.6	.2	1.9
WEST SOUTH CENTRAL DIVISION[e]	41	-	.2	1.3	.1	.3	1.1	2.2	.7	2.9	.1	.2	1.5
WEST REGION[e]	136	11	.8	6.8	.7	1.4	5.6	12.1	3.2	15.3	.5	.8	7.8
PACIFIC DIVISION[e]	121	10	.7	6.2	.6	1.2	5.1	11.2	3.0	14.1	.5	.7	7.3
CALIFORNIA[e]	105	7	.5	4.9	.5	1.0	4.0	9.3	2.5	11.8	.4	.6	6.1

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3566-- POWER TRANSMISSION EQUIPMENT													
UNITED STATES	513	303	54.8	409.4	40.6	83.4	273.6	800.7	483.9	1 263.4	57.3	46.7	555.7
NORTHEAST REGION	144	84	15.3	108.3	11.0	22.8	71.4	202.3	116.0	316.2	13.1	13.7	151.9
NEW ENGLAND DIVISION	46	28	5.1	35.7	3.8	8.0	24.9	72.7	34.6	106.5	4.0	4.4	51.9
MASSACHUSETTS	28	17	3.7	26.0	2.7	5.5	17.8	51.6	26.1	77.9	2.8	3.4	39.2
CONNECTICUT	13	9	1.3	9.0	1.0	2.3	6.6	19.4	7.3	25.9	1.1	.9	11.9
MIDDLE ATLANTIC DIVISION	98	56	10.2	72.6	7.2	14.8	46.5	129.6	81.4	209.7	9.1	9.3	100.0
NEW YORK	45	21	3.5	26.1	2.5	5.1	16.0	49.4	24.1	71.4	4.6	2.7	32.7
NEW JERSEY	20	11	1.2	8.9	.9	1.8	6.0	14.9	13.7	29.3	1.1	1.3	12.8
PENNSYLVANIA	33	24	5.4	37.5	3.9	7.8	24.5	65.2	43.5	109.0	3.4	5.4	54.2
NORTH CENTRAL REGION	261	162	32.8	253.7	24.6	50.0	170.7	494.5	289.9	770.3	35.8	27.7	345.5
EAST NORTH CENTRAL DIVISION	220	136	30.5	238.1	22.9	46.6	160.6	464.9	267.6	719.5	34.3	26.0	327.2
OHIO	50	35	4.3	32.2	3.2	6.7	21.4	65.2	47.4	111.5	3.4	4.2	50.4
INDIANA	28	18	10.5	80.2	8.1	16.3	57.0	148.2	78.2	224.0	9.8	8.1	100.6
ILLINOIS	71	42	7.0	55.3	5.2	11.0	36.9	106.1	66.9	170.4	7.9	6.0	71.5
MICHIGAN	44	24	3.1	23.4	2.3	4.7	15.7	50.2	32.2	77.1	1.6	2.1	25.4
WISCONSIN	27	17	5.6	47.1	4.1	8.1	29.7	95.1	42.9	136.4	11.5	5.5	79.3
WEST NORTH CENTRAL DIVISION	41	26	2.3	15.6	1.7	3.4	10.1	29.6	22.3	50.8	1.6	1.7	18.3
MINNESOTA	17	10	.8	5.9	.7	1.4	4.2	10.6	8.3	18.6	.4	.6	5.9
IOWA	6	5	.4	2.5	.3	.6	1.8	4.1	4.3	8.5	.1	.4	3.7
MISSOURI	13	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.0
KANSAS	3	3	.4	2.8	.3	.6	1.6	6.5	3.6	9.4	.3	[2](D)	[2](D)
SOUTH REGION	43	27	3.5	22.8	2.7	5.7	15.2	54.1	49.5	100.0	6.2	3.0	34.1
SOUTH ATLANTIC DIVISION	23	17	1.5	9.8	1.2	2.7	7.1	21.8	21.3	41.2	2.6	(D)	(D)
MARYLAND	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	4	3	.4	2.8	.3	.8	2.3	5.1	9.5	14.6	(D)	.3	3.8
NORTH CAROLINA	4	4	.2	1.2	.1	.3	.8	2.1	.4	2.5	.2	.1	1.1
SOUTH CAROLINA	3	3	.3	1.5	.2	.5	1.2	4.3	3.9	7.9	(D)	[2](D)	[2](D)
FLORIDA	7	3	.2	1.1	.2	.3	.8	2.5	2.2	4.8	.2	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	9	5	.9	5.2	.6	1.3	3.2	10.2	6.8	16.8	.7	.8	8.0
WEST REGION	65	30	3.2	24.6	2.3	4.9	16.2	49.8	28.6	76.8	2.3	2.3	24.6
MOUNTAIN DIVISION	9	4	.5	3.3	.4	.8	2.5	7.2	6.2	13.0	.4	(D)	(D)
COLORADO	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	56	26	2.7	21.3	1.9	4.1	13.7	42.6	22.4	63.8	1.8	(D)	(D)
CALIFORNIA	51	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	19.6
3567-- INDUSTRIAL FURNACES AND OVENS													
UNITED STATES	255	117	16.1	129.3	8.9	18.3	58.2	259.4	236.1	495.7	11.6	12.0	143.0
NORTHEAST REGION	93	48	6.7	56.7	3.6	7.5	23.4	110.6	91.3	202.9	2.6	5.4	64.2
NEW ENGLAND DIVISION	27	15	1.4	11.2	.8	1.7	5.2	16.7	16.8	34.3	.5	1.2	13.5
MASSACHUSETTS	13	7	.7	5.5	.4	.9	2.7	7.1	8.6	16.2	.2	.8	9.5
RHODE ISLAND	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	9	4	.4	3.2	.3	.5	1.5	5.7	4.7	10.4	.2	.1	1.4
MIDDLE ATLANTIC DIVISION	66	33	5.3	45.4	2.8	5.8	18.2	93.9	74.5	168.6	2.0	4.2	50.7
NEW YORK	15	5	.5	3.7	.3	.7	2.0	6.9	4.0	10.8	.1	.8	8.1
NEW JERSEY	25	13	.9	7.3	.6	1.3	4.4	15.4	14.6	30.0	(D)	1.3	13.5
PENNSYLVANIA	26	15	3.8	34.4	1.8	3.8	11.9	71.7	55.9	127.7	(D)	2.2	29.1
NORTH CENTRAL REGION	108	54	8.2	62.8	4.5	9.2	28.6	129.5	133.4	261.4	8.0	5.7	69.4
EAST NORTH CENTRAL DIVISION	96	50	7.6	58.6	4.1	8.6	26.5	121.1	126.7	245.9	7.7	5.4	64.6
OHIO	32	15	3.0	24.2	1.4	2.9	9.2	50.2	71.5	121.3	4.6	2.1	26.9
INDIANA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	22	14	2.3	16.9	1.3	2.6	7.7	30.1	22.6	52.2	1.2	1.4	16.5
MICHIGAN	31	13	.7	6.5	.5	1.1	3.9	12.7	11.9	24.6	1.5	.6	7.2
WISCONSIN	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	12	4	.6	4.3	.3	.7	2.1	8.4	6.7	15.5	.2	.4	4.8
MINNESOTA	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.0
MISSOURI	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	14	4	.3	2.2	.2	.4	1.3	6.0	2.6	8.5	.2	.1	1.6
EAST SOUTH CENTRAL DIVISION	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	40	11	.9	7.7	.6	1.3	4.9	13.3	8.8	22.9	.9	.8	7.8
PACIFIC DIVISION	38	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	34	9	.8	6.6	.5	1.1	4.2	11.6	7.9	20.3	(D)	.6	6.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3569-- GENERAL INDUSTRIAL MACHINERY, NEC													
UNITED STATES	758	346	39.4	295.4	25.4	52.3	163.2	535.9	379.8	901.2	30.5	35.6	424.1
NORTHEAST REGION	266	128	15.2	115.9	9.1	19.0	59.5	193.0	143.1	330.8	13.5	13.4	161.9
NEW ENGLAND DIVISION	71	36	4.1	30.5	2.6	5.5	16.0	53.7	41.5	95.5	3.9	3.4	55.8
NEW HAMPSHIRE	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	35	16	1.2	8.3	.8	1.6	4.6	12.5	11.3	23.3	1.3	.8	7.1
RHODE ISLAND	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	28	16	2.3	17.3	1.4	3.0	9.0	29.8	25.5	56.5	2.1	1.9	42.8
MIDDLE ATLANTIC DIVISION	195	92	11.1	85.4	6.5	13.5	43.5	139.3	101.5	235.3	9.6	10.1	106.1
NEW YORK	82	33	4.8	38.4	2.4	4.9	17.0	62.0	38.6	100.0	3.2	5.1	49.2
NEW JERSEY	54	25	2.2	16.6	1.4	2.9	8.5	28.6	28.6	57.0	2.2	1.6	19.2
PENNSYLVANIA	59	34	4.0	30.4	2.7	5.7	17.9	48.7	34.3	78.3	4.3	3.4	37.7
NORTH CENTRAL REGION	280	135	15.3	119.6	10.3	21.3	69.9	230.5	151.1	377.7	12.5	11.0	126.4
EAST NORTH CENTRAL DIVISION	239	118	14.1	111.1	9.5	19.6	64.8	213.4	138.3	347.5	11.6	9.3	107.3
OHIO	50	21	3.2	24.2	1.9	3.8	13.0	47.5	24.5	71.0	3.3	2.5	26.5
INDIANA	20	12	2.0	15.8	1.5	3.0	9.2	29.0	24.9	52.9	1.3	1.3	13.2
ILLINOIS	82	37	3.7	29.7	2.6	5.5	18.4	55.0	34.9	87.5	4.6	1.7	23.8
MICHIGAN	57	29	2.3	19.3	1.6	3.4	11.5	35.1	25.6	61.3	1.3	2.5	27.0
WISCONSIN	30	19	2.9	22.1	1.9	3.9	12.6	46.8	28.4	74.8	1.2	1.3	16.9
WEST NORTH CENTRAL DIVISION	41	17	1.2	8.5	.9	1.7	5.2	17.1	12.8	30.2	.9	1.7	19.1
MINNESOTA	12	6	.5	3.4	.3	.6	2.0	7.3	4.1	11.3	.2	.7	7.6
IOWA	10	3	.2	1.4	.2	.3	.8	2.3	2.4	4.7	.3	.5	6.1
MISSOURI	8	4	.3	1.8	.2	.4	1.3	3.4	2.6	6.0	.1	.1	.9
KANSAS	7	3	.2	1.2	.2	.3	.9	3.5	3.2	7.0	.2	.2	2.3
SOUTH REGION	99	40	4.2	26.3	2.9	6.0	15.0	52.0	42.2	90.9	2.4	2.5	30.5
SOUTH ATLANTIC DIVISION	43	18	1.3	7.9	1.0	2.0	4.6	19.0	16.0	33.3	1.1	.7	7.9
MARYLAND	9	3	.2	1.2	.2	.3	.8	2.3	2.7	5.0	.1	[2](D)	[2](D)
NORTH CAROLINA	8	4	.4	2.1	.3	.6	1.3	5.6	7.5	13.0	.5	.1	1.5
GEORGIA	6	3	.4	2.1	.2	.5	1.1	7.0	3.6	9.1	(D)	(D)	(D)
FLORIDA	14	3	.2	1.6	.2	.3	.8	2.7	1.0	3.6	.1	.1	1.4
EAST SOUTH CENTRAL DIVISION	20	7	1.3	8.1	1.0	2.0	5.1	15.9	11.8	26.6	.5	1.0	10.3
KENTUCKY	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	36	15	1.5	10.3	1.0	2.0	5.2	17.0	14.4	31.0	.7	.8	12.2
LOUISIANA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	25	10	.9	5.1	.6	1.3	3.1	9.1	8.0	17.0	.4	.4	5.3
WEST REGION	113	43	4.6	33.6	3.1	6.0	18.9	60.4	43.4	101.8	2.2	8.6	105.3
MOUNTAIN DIVISION	10	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
UTAH	6	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(C)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	103	40	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	8	4	.6	4.5	.4	.8	3.0	7.0	5.3	12.3	(D)	.2	2.0
CALIFORNIA	92	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.0	95.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Pumps and compressors (SIC 3561)	Ball and roller bearings (SIC 3562)	Blowers and fans (SIC 3564)	Industrial patterns (SIC 3565)	Power transmission equipment (SIC 3566)	Industrial furnaces and ovens (SIC 3567)	General industrial machinery, n.e.c. (SIC 3569)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.87	.97	.85	.96	.90	.87	.85
COVERAGE RATIO[2]	.88	.97	.82	.80	.83	.88	.79
ESTABLISHMENTS, TOTAL .NUMBER	660	124	287	1 163	513	255	758
WITH 1 TO 19 EMPLOYEES .DO	361	27	158	1 022	210	138	412
WITH 20 TO 99 EMPLOYEES .DO	157	27	79	132	191	79	254
WITH 100 EMPLOYEES OR MORE .DO	142	70	50	9	112	38	92
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	78.3	58.8	21.0	10.9	54.8	16.1	39.4
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	591.7	456.0	149.2	106.0	409.4	129.3	295.4
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	49.8	47.5	14.9	9.5	40.6	8.9	25.4
MARCH .DO	50.7	45.2	15.4	9.8	41.6	9.0	25.9
MAY .DO	49.2	48.8	15.0	9.6	41.0	8.8	25.6
AUGUST .DO	49.9	47.9	14.7	9.4	40.1	9.1	25.1
NOVEMBER .DO	49.3	48.1	14.5	9.0	39.8	8.7	25.1
MAN-HOURS .MILLIONS	104.6	100.9	31.5	19.4	83.4	18.3	52.3
JANUARY-MARCH .DO	26.9	25.6	8.3	5.3	21.9	4.7	13.3
APRIL-JUNE .DO	26.5	26.5	8.1	4.9	21.7	4.5	13.3
JULY-SEPTEMBER .DO	25.3	23.5	7.5	4.7	19.6	4.5	12.7
OCTOBER-DECEMBER .DO	25.9	25.3	7.6	4.6	20.2	4.5	13.1
WAGES MILLION DOLLARS	335.3	343.5	93.2	86.7	273.6	58.2	163.2
COST OF MATERIALS, ETC., TOTAL .DO	1 031.9	510.8	222.6	37.0	483.9	236.1	379.8
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	873.7	462.9	187.6	29.9	399.7	198.3	328.0
COST OF RESALES .DO	116.4	21.0	23.6	.7	45.1	19.9	29.5
FUELS CONSUMED .DO	6.9	6.5	1.6	.7	4.5	.7	2.4
PURCHASED ELECTRIC ENERGY .DO	8.4	9.5	2.3	1.0	7.1	1.5	4.0
CONTRACT WORK .DO	26.5	10.9	7.5	4.7	27.4	15.6	15.9
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	2 207.5	1 328.5	525.2	201.8	1 263.4	495.7	901.2
VALUE OF RESALES .DO	134.7	24.3	31.1	.9	63.1	28.4	42.9
VALUE ADDED BY MANUFACTURE .DO	1 210.2	833.3	302.2	165.5	800.7	259.4	535.9
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL .DO	541.0	303.2	84.5	11.5	266.5	64.4	174.3
FINISHED PRODUCTS .DO	193.3	83.9	14.0	1.2	97.5	9.9	45.8
WORK IN PROCESS .DO	242.9	144.4	34.1	7.8	107.9	31.5	65.7
MATERIALS, SUPPLIES, FUEL, ETC. .DO	104.9	75.0	36.4	2.5	61.1	22.9	62.9
END OF YEAR, TOTAL .DO	587.5	318.0	84.7	12.7	289.3	66.5	194.8
FINISHED PRODUCTS .DO	220.4	94.3	14.9	1.3	116.2	12.3	53.4
WORK IN PROCESS .DO	250.4	149.5	32.9	8.4	110.4	28.8	72.6
MATERIALS, SUPPLIES, FUEL, ETC. .DO	116.7	74.2	36.9	3.0	62.7	25.3	68.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	67.3	110.8	15.0	9.1	61.0	12.4	32.0
NEW PLANT AND EQUIPMENT, TOTAL .DO	62.3	107.1	14.5	8.1	57.3	11.6	30.5
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	15.6	38.7	4.4	3.3	12.4	4.8	10.7
NEW MACHINERY AND EQUIPMENT .DO	46.7	68.4	10.0	4.8	44.9	6.8	19.9
USED PLANT AND EQUIPMENT .DO	5.0	3.7	.5	.7	3.6	.8	1.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3561-- PUMPS AND COMPRESSORS											
ESTABLISHMENTS, TOTAL	660	78.3	591.7	49.8	104.6	335.3	1 210.2	1 032.0	2 207.5	62.3	587.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	189	.3	2.3	.3	.5	1.2	5.3	5.2	10.4	.1	2.1
5 TO 9 EMPLOYEES	79	.5	4.0	.4	.7	2.2	10.0	7.3	17.3	.4	3.1
10 TO 19 EMPLOYEES	93	1.3	9.2	.9	1.9	5.4	18.2	16.3	34.1	.5	6.8
20 TO 49 EMPLOYEES	97	3.0	21.1	2.0	4.2	12.4	43.3	45.2	88.0	1.0	16.3
50 TO 99 EMPLOYEES	60	4.3	31.2	3.0	6.3	18.5	67.7	63.2	128.8	3.0	27.8
100 TO 249 EMPLOYEES	62	9.9	71.0	6.1	12.5	36.8	157.0	136.3	286.0	10.1	75.5
250 TO 499 EMPLOYEES	43	15.0	114.2	9.7	20.6	66.3	218.5	208.5	422.1	10.7	106.9
500 TO 999 EMPLOYEES	22	15.8	123.9	9.6	20.3	66.7	247.8	199.0	437.8	17.6	141.8
1,000 TO 2,499 EMPLOYEES	13	28.0	214.9	17.8	37.6	125.7	442.4	351.1	782.9	19.0	207.4
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	170	.4	2.5	.4	.5	1.3	6.3	6.2	12.3	.1	2.9
3562-- BALL AND ROLLER BEARINGS											
ESTABLISHMENTS, TOTAL	124	58.8	456.0	47.5	100.9	343.5	833.3	510.8	1 328.6	107.1	318.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	9	(Z)	.1	(Z)	(Z)	.1	.3	.2	.5	(Z)	.1
5 TO 9 EMPLOYEES[6]	7	(Z)	.2	(Z)	.1	.2	.1	.5	.6	.1	.1
10 TO 19 EMPLOYEES	11	.2	1.1	.1	.3	.8	2.1	1.3	3.4	.2	.6
20 TO 49 EMPLOYEES	12	.4	3.0	.3	.6	1.8	4.9	3.2	9.5	2.6	3.1
50 TO 99 EMPLOYEES	15	1.1	7.3	.9	1.9	5.3	15.5	8.3	22.2	1.9	5.7
100 TO 249 EMPLOYEES	24	3.9	26.8	3.1	6.6	18.8	54.3	45.5	100.2	6.8	24.2
250 TO 499 EMPLOYEES	15	5.3	37.2	4.3	9.1	27.2	87.1	44.9	131.0	5.4	28.6
500 TO 999 EMPLOYEES	15	11.5	84.1	9.1	18.6	63.0	173.7	102.6	269.0	13.8	73.2
1,000 TO 2,499 EMPLOYEES	11	18.3	145.3	14.7	31.2	111.4	262.2	152.2	408.1	41.5	85.9
2,500 EMPLOYEES OR MORE	5	18.1	150.7	14.9	32.5	114.9	232.9	152.2	384.0	34.9	96.6
ESTABS. COVERED BY ADMIN. RECORDS[1]	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3564-- BLOWERS AND FANS											
ESTABLISHMENTS, TOTAL	287	21.0	149.2	14.9	31.5	93.2	302.2	222.6	525.2	14.5	84.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	77	.1	1.0	.1	.2	.7	2.1	1.6	3.7	.2	.5
5 TO 9 EMPLOYEES	38	.3	2.1	.2	.4	1.3	4.3	3.5	7.8	.2	.9
10 TO 19 EMPLOYEES	43	.6	4.4	.4	.8	2.6	8.1	6.1	14.1	.5	1.9
20 TO 49 EMPLOYEES	55	1.7	10.7	1.3	2.7	6.6	21.4	16.7	38.0	.8	4.6
50 TO 99 EMPLOYEES	24	1.8	12.6	1.2	2.5	7.6	27.9	19.8	47.6	1.1	7.5
100 TO 249 EMPLOYEES	28	4.1	28.3	3.0	6.4	16.7	63.6	43.3	106.4	2.5	15.6
250 TO 499 EMPLOYEES	12	4.3	31.9	2.7	5.4	17.3	62.3	46.0	109.0	3.6	19.7
500 TO 999 EMPLOYEES	9	8.1	58.2	5.8	13.2	40.4	112.3	85.6	198.4	5.6	33.9
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	73	.2	1.4	.2	.3	.9	2.8	2.1	4.8	.2	.7
3565-- INDUSTRIAL PATTERNS											
ESTABLISHMENTS, TOTAL	1 163	10.9	106.0	9.5	19.4	86.7	165.5	37.0	201.8	8.1	12.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	659	1.0	9.4	1.0	2.0	7.9	21.5	5.6	27.2	.8	1.2
5 TO 9 EMPLOYEES	190	1.3	11.6	1.1	2.3	9.9	17.6	4.3	21.8	.7	.9
10 TO 19 EMPLOYEES	173	2.3	21.1	2.0	4.0	18.0	32.8	7.2	39.8	1.3	2.1
20 TO 49 EMPLOYEES	108	3.1	28.8	2.6	5.4	23.1	43.0	10.9	53.4	2.3	3.3
50 TO 99 EMPLOYEES	24	1.7	18.6	1.5	3.1	14.9	26.3	5.3	32.0	2.5	2.2
100 TO 249 EMPLOYEES	8	1.4	16.5	1.2	2.7	12.8	24.3	3.6	27.6	.5	2.9
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	588	.9	8.2	.9	1.8	6.9	19.0	5.1	24.0	.8	1.2
3566-- POWER TRANSMISSION EQUIPMENT											
ESTABLISHMENTS, TOTAL	513	54.8	409.4	40.6	83.4	273.6	800.7	483.9	1 263.4	57.3	289.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[6]	105	.2	1.6	.2	.3	1.0	4.3	3.5	7.8	.1	1.3
5 TO 9 EMPLOYEES	32	.2	1.7	.2	.3	1.1	3.4	2.1	5.5	.2	.6
10 TO 19 EMPLOYEES	73	1.0	7.9	.8	1.6	5.1	15.7	10.5	25.8	1.1	2.8
20 TO 49 EMPLOYEES	113	3.7	27.5	2.9	5.9	18.1	53.8	36.8	89.8	2.8	10.3
50 TO 99 EMPLOYEES	78	5.5	38.1	4.4	9.0	26.7	73.8	49.4	120.9	5.3	19.2
100 TO 249 EMPLOYEES	56	8.6	64.8	6.2	13.4	41.9	127.6	85.8	209.8	8.5	43.9
250 TO 499 EMPLOYEES	30	10.0	73.1	7.4	15.7	50.2	147.3	81.2	220.8	9.8	57.4
500 TO 999 EMPLOYEES	20	13.7	105.7	10.0	20.2	70.3	214.8	135.6	346.1	16.1	84.5
1,000 TO 2,499 EMPLOYEES	4	11.7	89.0	8.6	16.9	59.3	160.1	79.1	237.0	13.5	69.2
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	98	.2	1.6	.2	.3	1.1	3.5	2.2	5.7	.1	1.1

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967–Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					
3567-- INDUSTRIAL FURNACES AND OVENS											
ESTABLISHMENTS, TOTAL	255	16.1	129.3	8.9	18.3	58.2	259.4	236.1	495.7	11.6	66.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	83	.1	1.0	.1	.2	.5	2.1	1.9	4.0	1.1	.5
5 TO 9 EMPLOYEES	22	.1	1.3	.1	.2	.7	2.2	2.0	4.2	.1	.4
10 TO 19 EMPLOYEES	33	.5	4.0	.3	.6	2.2	7.1	6.1	13.2	.4	1.5
20 TO 49 EMPLOYEES	56	1.6	13.1	1.1	2.2	7.2	26.7	20.8	46.2	1.2	7.9
50 TO 99 EMPLOYEES	23	1.6	11.9	1.1	2.1	6.5	21.4	19.3	40.7	.7	6.7
100 TO 249 EMPLOYEES	25	4.1	31.4	2.4	5.0	15.6	60.0	49.7	109.8	1.8	14.8
250 TO 499 EMPLOYEES	6	1.9	14.5	1.0	2.2	6.8	27.4	36.2	64.4	3.6	12.9
500 TO 999 EMPLOYEES	4	6.1	52.1	2.9	6.0	18.7	112.4	100.2	213.2	2.7	21.8
1,000 TO 2,499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	75	.1	1.1	.1	.2	.5	2.0	2.0	4.0	.2	.6
3569-- GENERAL INDUSTRIAL MACHINERY, NEC											
ESTABLISHMENTS, TOTAL	758	39.4	295.4	25.4	52.3	163.2	535.9	379.8	901.2	30.5	195.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	206	.4	2.7	.3	.4	1.3	6.4	4.3	10.6	1.2	1.8
5 TO 9 EMPLOYEES	92	.6	5.1	.4	.8	2.5	11.3	7.0	18.2	.6	2.3
10 TO 19 EMPLOYEES	114	1.6	11.6	1.1	2.1	6.7	21.9	15.7	37.2	1.0	5.1
20 TO 49 EMPLOYEES	160	4.9	35.2	3.4	6.9	21.4	62.6	46.7	109.3	2.9	18.1
50 TO 99 EMPLOYEES	94	6.7	48.3	4.6	9.3	28.3	96.4	74.9	169.7	3.9	33.1
100 TO 249 EMPLOYEES	62	9.6	70.9	6.2	12.9	38.9	132.4	94.1	223.2	6.3	49.0
250 TO 499 EMPLOYEES	19	6.4	48.3	4.2	9.0	27.3	90.0	63.4	147.9	6.2	34.3
500 TO 999 EMPLOYEES	9	9.2	73.2	5.4	11.0	36.9	114.9	73.8	185.0	8.4	51.3
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	187	.4	2.9	.3	.5	1.4	7.4	4.7	12.2	.4	2.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3561	Pumps and compressors.....1967 ..	2,207.5	1,704.9	265.4	237.2	.87	1,947.5	1,704.9	242.6	.88
	1963 ..	1,419.1	1,070.0	185.9	163.2	.85	1,249.2	1,070.0	179.2	.86
3562	Ball and roller bearings.....1967 ..	1,328.5	1,259.9	35.5	33.1	.97	1,292.2	1,259.9	32.3	.97
	1963 ..	998.8	946.3	31.7	20.8	.97	961.0	946.3	14.7	.98
3564	Blowers and fans.....1967 ..	525.2	410.5	71.5	43.2	.85	499.1	410.5	88.6	.82
	1963 ..	315.3	236.7	50.7	27.9	.83	299.4	236.7	62.7	.79
3565	Industrial patterns .....1967 ..	201.8	186.0	7.9	7.9	.96	233.7	186.0	47.7	.80
	1963 ..	140.7	127.7	5.9	7.2	.96	159.9	127.7	32.2	.80
3566	Power transmission equipment.....1967 ..	1,263.4	1,060.3	116.7	86.4	.90	1,283.4	1,060.3	223.1	.83
	1963 ..	888.6	696.0	129.9	62.7	.84	883.4	696.0	187.3	.79
3567	Industrial furnaces and ovens.....1967 ..	495.7	365.6	54.0	76.1	.87	415.9	365.6	50.3	.88
	1963 ..	279.1	201.8	40.3	36.9	.83	237.7	201.8	35.9	.85
3569	General industrial machinery, n.e.c.....1967 ..	901.2	712.5	121.3	67.4	.85	899.8	712.5	187.3	.79
	1963 ..	691.3	462.7	92.6	136.0	.83	664.3	462.7	201.6	.70

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Pumps and compressors (SIC 3561)	Ball and roller bearings (SIC 3562)	Blowers and fans (SIC 3564)	Industrial patterns (SIC 3565)	Power transmission equipment (SIC 3566)	Industrial furnaces and ovens (SIC 3567)	General industrial machinery, n.e.c. (SIC 3569)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	2,207.5	1,328.5	525.2	201.8	1,263.4	495.7	901.2	(X)
3561-35611	Pumps and compressors.....	1,947.5	1,704.9	-	(over 2)	-	(2-5)	(under 2)	0.2	235.6
	Industrial pumps, except hydraulic fluid power pumps.....	436.9	362.9	-	-	-	(D)	-	(Z)	(D)
35612	Hydraulic fluid power pumps and motors and vacuum pumps.....	218.6	175.2	-	-	-	-	-	(Z)	43.4
35613	Domestic water systems and pumps, including pump jacks and cylinders.....	140.3	122.4	-	(Z)	-	(D)	-	-	(D)
35614	Air and gas compressors, except refrigeration compressors.....	501.0	476.2	-	(D)	-	(D)	-	(Z)	22.1
35615	Pumps and compressors, n.e.c. except refrigeration compressors.....	197.5	164.3	-	-	-	(D)	(D)	(D)	32.0
35616	Parts and attachments for pumps and compressors...	383.6	335.0	-	-	-	-	-	(D)	(D)
35610	Pumps and compressors, n.s.k.....	69.6	68.9	-	-	-	-	-	-	0.7
3562-35621	Ball and roller bearings.....	1,292.2	(Z)	1,259.9	-	-	21.5	-	-	10.8
	Ball bearings complete.....	472.7	-	471.0	-	-	(D)	-	-	(D)
35622	Taper (except thrust) roller bearings, complete...	367.7	-	367.2	-	-	(D)	-	-	(D)
35623	Other roller bearings, complete.....	225.0	-	224.9	-	-	0.1	-	-	(Z)
35624	Mounted bearings.....	96.0	-	71.6	-	-	18.7	-	-	5.7
35629	Parts and components for ball and roller bearings, including balls and rollers, sold separately.....	118.7	(Z)	116.2	-	-	(D)	-	-	(D)
35620	Ball and roller bearings, n.s.k.....	12.1	-	8.9	-	-	(D)	-	-	(D)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Pumps and compressors (SIC 3561)	Ball and roller bearings (SIC 3562)	Blowers and fans (SIC 3564)	Industrial patterns (SIC 3565)	Power transmission equipment (SIC 3566)	Industrial furnaces and ovens (SIC 3567)	General industrial machinery, n.e.c. (SIC 3569)	Other industries
	Total shipments and miscellaneous receipts--Con.									
3564-	Blowers and fans	499.1	5.3	-	410.5	-	-	0.8	2.6	79.9
35641	Industrial fans and blowers	294.9	(D)	-	241.6	-	-	(D)	(D)	48.0
35642	Dust collection, air purification equipment and air washers	182.5	(D)	-	147.7	-	-	(D)	(D)	(D)
35640	Blowers and fans, n.s.k	21.7	-	-	21.3	-	-	(D)	-	(D)
3565-	Industrial patterns	233.7	-	-	(Z)	186.0	0.9	-	-	46.8
3566	Power transmission equipment	1,283.4	0.4	11.7	7.1	-	1,060.3	-	0.9	203.0
35661	Plain bearings	109.5	-	9.0	-	-	89.1	-	-	11.4
35662	Speed changers, industrial high speed drives, and gears	506.4	-	(D)	-	-	422.4	-	(D)	82.1
35663	Other mechanical power transmission equipment	604.5	0.4	(D)	7.1	-	486.9	-	(D)	108.4
35660	Power transmission equipment, n.s.k	62.9	-	-	-	-	61.9	-	-	1.0
3567-	Industrial furnaces and ovens	415.9	(under 2)	-	(Z)	-	-	365.6	(under 2)	48.8
35671	Electric industrial furnaces and ovens, metal processing	90.8	(D)	-	-	-	-	84.2	-	(D)
35672	Fuel-fired industrial furnaces and ovens, metal processing	155.7	(D)	-	(Z)	-	-	137.1	(D)	(D)
35673	High frequency induction and dielectric heating equipment and parts, attachments, and components	149.0	-	-	-	-	-	124.7	-	24.3
35670	Industrial furnaces and ovens, n.s.k	20.3	-	-	-	-	-	19.7	-	0.6
3569-	General industrial machinery, n.e.c	899.8	9.2	(under 2)	(under 2)	-	2.6	1.5	712.5	173.6
	Other product shipments by 4-digit product group									
2514	Metal household furniture	(X)	-	-	-	-	-	-	(over 2)	(X)
2899	Chemical preparations, n.e.c	(X)	-	-	-	-	-	(under 2)	(over 2)	(X)
3069	Fabricated rubber products, n.e.c	(X)	(over 2)	-	-	-	(under 2)	-	(under 2)	(X)
3079	Miscellaneous plastics products	(X)	(2-5)	-	(under 2)	-	(under 2)	-	(under 2)	(X)
3229	Pressed and blown glass, n.e.c	(X)	-	-	(over 2)	-	-	-	-	(X)
3321	Gray iron castings	(X)	9.7	(under 2)	(under 2)	(under 2)	(2-5)	-	(Z)	(X)
3323	Steel castings	(X)	(over 2)	(Z)	-	(under 2)	(5-10)	-	-	(X)
3361	Aluminum castings	(X)	(under 2)	-	(Z)	2.1	(under 2)	-	-	(X)
3362	Brass, bronze, and copper castings	(X)	-	-	-	(under 2)	3.5	-	(Z)	(X)
3423	Hand and edge tools, n.e.c	(X)	(under 2)	-	(under 2)	-	(under 2)	(under 2)	4.1	(X)
3433	Heating equipment, except electric	(X)	-	-	10.4	-	-	(under 2)	-	(X)
3442	Metal doors, sash, and trim	(X)	(under 2)	-	(under 2)	-	(Z)	-	(over 2)	(X)
3443	Fabricated platework (boiler shop products)	(X)	(20-50)	-	(under 2)	-	-	(under 2)	4.5	(X)
3444	Sheet metalwork	(X)	(over 2)	-	3.2	-	-	(under 2)	-	(X)
3494	Valves and pipe fittings	(X)	42.0	-	(under 2)	-	1.1	(under 2)	6.5	(X)
3499	Fabricated metal products, n.e.c	(X)	-	(over 2)	-	-	-	(Z)	11.6	(X)
3511	Steam engines and turbines	(X)	(10-20)	-	-	-	-	(under 2)	-	(X)
3519	Internal combustion engines, n.e.c	(X)	36.8	-	-	-	-	-	-	(X)
3522	Farm machinery	(X)	4.3	-	(under 2)	-	-	(under 2)	(under 2)	(X)
3531	Construction machinery	(X)	6.0	-	-	-	(under 2)	-	(under 2)	(X)
3532	Mining machinery	(X)	7.9	-	(2-5)	-	(2-5)	(under 2)	(under 2)	(X)
3533	Oilfield machinery	(X)	9.6	-	-	-	(under 2)	-	-	(X)
3535	Conveyors and conveying equipment	(X)	-	(over 2)	2.1	-	22.9	0.6	0.1	(X)
3542	Machine tools, metal-forming types	(X)	-	(under 2)	(2-5)	-	-	(under 2)	(under 2)	(X)
3548	Metalworking machinery, n.e.c	(X)	(under 2)	-	(over 2)	-	(Z)	(under 2)	3.8	(X)
3554	Paper industries machinery	(X)	(under 2)	-	(over 2)	-	-	(under 2)	(2-5)	(X)
3559	Special industry machinery, n.e.c	(X)	6.7	-	(2-5)	-	(under 2)	12.7	23.7	(X)
3585	Refrigeration machinery	(X)	1.6	-	5.4	-	(under 2)	-	(5-10)	(X)
3586	Measuring and dispensing pumps	(X)	5.6	-	-	-	(under 2)	-	(under 2)	(X)
3589	Service industry machines, n.e.c	(X)	6.8	-	(2-5)	-	-	-	-	(X)
3599	Miscellaneous machinery, except electrical	(X)	10.8	(under 2)	-	3.9	1.9	-	9.4	(X)
3621	Motors and generators	(X)	(2-5)	-	(under 2)	-	(5-10)	-	-	(X)
3631	Household cooking equipment	(X)	-	-	(under 2)	-	-	(5-10)		(X)
3634	Electric housewares and fans	(X)	(under 2)	-	1.7	-	-	(5-10)		(X)
3639	Household appliances, n.e.c	(X)	(over 2)	-	-	-	-	(over 2)	-	(X)
3643	Current carrying wiring	(X)	-	-	(over 2)	-	-	-	-	(X)
3714	Motor vehicle parts and accessories	(X)	(under 2)	-	-	(under 2)	(20-50)	-	2.9	(X)
3729	Aircraft equipment, n.e.c	(X)	16.1	-	-	-	1.8	(under 2)	-	(X)
3821	Mechanical measuring devices	(X)	(under 2)	-	-	-	(under 2)	(2-5)	(2-5)	(X)
3962	Artificial flowers	(X)	-	-	-	-	-	-	(over 2)	(X)
	Other secondary products[1]	(X)	86.6	23.8	41.6	1.9	60.5	38.4	51.0	(X)
	Miscellaneous receipts, total	(X)	237.2	33.1	43.2	7.9	86.4	76.1	67.4	(X)
9300000	Contract work	(X)	11.5	0.6	2.3	3.3	14.8	1.7	7.5	(X)
9998013	Sales of scrap and refuse	(X)	(X)	6.8	0.4	0.3	5.2	0.4	1.7	(X)
9998031	Receipts for installation (or construction) of products of this establishment	(X)	11.0	(X)	(X)	-	(X)	22.7	3.5	(X)
9998041	Receipts for research and developmental work	(X)	0.8	(D)	(X)	2.7	(Z)	(X)	0.3	(X)
9998061	Receipts for repair work	(X)	58.9	(X)	(X)	0.5	(X)	10.7	8.8	(X)
9998098	Other miscellaneous receipts	(X)	20.5	(D)	9.5	0.3	3.2	12.3	2.7	(X)
9998900	Resales	(X)	134.7	24.3	31.1	0.9	63.1	28.4	42.9	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries
	Listings of other industries with over $2 million shipments of primary products:	
3561	3069 Fabricated rubber products, n.e.c.	2.0
3561	3264 Porcelain electrical supplies	(over 2)
3561	3433 Heating equipment, except electric	(2-5)
3561	3443 Fabricated platework (boiler shop products)	3.3
3561	3494 Valves and pipe fittings	33.0
3561	3511 Steam engines and turbines	13.3
3561	3519 Internal combustion engines, n.e.c.	13.1
3561	3522 Farm machinery	5.6
3561	3531 Construction machinery	7.7
3561	3532 Mining machinery	4.8
3561	3533 Oilfield machinery	22.5
3561	3541 Machine tools, metal-cutting types	3.5
3561	3553 Woodworking machinery	3.3
3561	3586 Measuring and dispensing pumps	15.8
3561	3589 Service industry machines, n.e.c.	7.3
3561	3599 Miscellaneous machinery, except electrical	(10-20)
3561	3621 Motors and generators	21.7
3561	3722 Aircraft engines and engine parts	3.1
3561	3729 Aircraft equipment, n.e.c.	7.7
3561	3731 Ship building and repairing	(10-20)
3561	3742 Railroad and street cars	(2-5)
3562	3079 Miscellaneous plastics products	(over 2)
3562	3545 Machine tool accessories	(over 2)
3564	2541 Wood partitions and fixtures	(over 2)
3564	3296 Mineral wool	(over 2)
3564	3433 Heating equipment, except electric	13.4
3564	3443 Fabricated platework (boiler shop products)	4.9
3564	3444 Sheet metalwork	6.6
3564	3494 Valves and pipe fittings	(over 2)
3564	3499 Fabricated metal products, n.e.c.	(2-5)
3564	3535 Conveyors and conveying equipment	3.0
3564	3559 Special industry machinery, n.e.c.	14.4
3564	3585 Refrigeration machinery	5.6
3564	3621 Motors and generators	7.2
3564	3642 Lighting fixtures	3.1
3565	3321 Gray iron castings	12.7
3565	3322 Malleable iron castings	3.8
3565	3323 Steel castings	8.3
3565	3361 Aluminum castings	16.5
3566	3362 Brass, bronze, and copper castings	4.0
	Listings of other industries with over $2 million shipments of primary products:--Continued	
3566	3432 Plumbing fittings and brass goods	5.0
3566	3511 Steam engines and turbines	9.4
3566	3533 Oilfield machinery	(5-10)
3566	3535 Conveyors and conveying equipment	5.1
3566	3541 Machine tools, metal-cutting types	3.1
3566	3542 Machine tools, metal-forming types	(over 2
3566	3545 Machine tool accessories	2.5
3566	3548 Metalworking machinery, n.e.c.	11.0
3566	3559 Special industry machinery, n.e.c.	8.3
3566	3599 Miscellaneous machinery, (except electrical)	2.5
3566	3621 Motors and generators	45.2
3566	3714 Motor vehicle parts and accessories	23.3
3566	3722 Aircraft engines and engine parts	(20-50)
3566	3729 Aircraft equipment, n.e.c.	(5-10)
3567	3441 Fabricated structural steel	(over 2)
3567	3536 Hoists, cranes, and monorails	(over 2)
3567	3559 Special industry machinery, n.e.c.	10.3
3567	3623 Welding apparatus	5.8
3567	3629 Electrical industrial apparatus, n.e.c.	(over 2)
3567	3631 Household cooking equipment	(over 2)
3567	3714 Motor vehicle parts and accessories	(over 2)
3567	3742 Railroad and street cars	3.1
3567	3821 Mechanical measuring devices	(over 2)
3569	2651 Folding paperboard boxes	(over 2
3569	3296 Mineral wool	(over 2)
3569	3312 Blast furnaces and steel mills	(over 2)
3569	3429 Hardware, n.e.c.	8.0
3569	3432 Plumbing fittings and brass goods	2.5
3569	3443 Fabricated platework (boiler shop products)	12.0
3569	3444 Sheet metalwork	3.1
3569	3494 Valves and pipe fittings	11.6
3569	3498 Fabricated pipe and fittings	(2-5)
3569	3499 Fabricated metal products, n.e.c.	6.6
3569	3522 Farm machinery	6.3
3569	3535 Conveyors and conveying equipment	3.0
3569	3536 Hoists, cranes, and monorails	2.4
3569	3551 Food products machinery	9.7
3569	3559 Special industry machinery, n.e.c.	38.4
3569	3582 Commercial laundry equipment	5.7
3569	3586 Measuring and dispensing pumps	3.9
3569	3589 Service industry machinery, n.e.c.	5.5
3569	3599 Miscellaneous machinery, (except electrical)	2.9
3569	3729 Aircraft equipment, n.e.c.	9.1

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity	Value (million dollars)	Quantity	Value (million dollars)
3561- --	PUMPS AND COMPRESSORS, TOTAL	(X)	1,947.5	(X)	1,249.2
35611 --	Industrial pumps, except hydraulic fluid power pumps:				
	As reported in the census of manufactures[1]	(X)	436.9	(X)	321.9
	As reported on Census Form MA-35P[1]	(X)	448.7	(X)	320.8
	Value of drivers (reported separately)[2]	(X)	89.9	(X)	71.8
	Reciprocating pumps:				
35611 01	Direct-acting steam-driven	1.5	2.8	2.2	3.2
35611 03	Power-operated, other than steam	141.6	38.5	58.8	20.1
35611 07	Turbine pumps, vertical (including deep-well)	27.9	45.3	21.2	31.2
	Centrifugal pumps, total	989.5	216.9	1,008.5	155.2
	Single stage, single suction, close coupled:				
35611 11	1/2" discharge outlet and under	39.4	1.5	35.4	1.4
35611 12	3/4" and 1" discharge outlet	143.4	7.3	136.2	6.2
35611 14	1-1/4" and 1-1/2" discharge outlet	138.5	11.1	111.4	8.2
35611 15	2" and 2-1/2" discharge outlet	50.7	6.4	41.8	5.9
35611 16	3" and 4" discharge outlet	28.3	8.4	22.9	6.5
35611 19	Over 4" discharge outlet	8.5	5.6	4.2	2.8
	Single stage, single suction, frame mounted:				
35611 21	1/2" discharge outlet and under	18.5	0.5	13.6	.5
35611 22	3/4" and 1" discharge outlet	44.3	6.6	142.1	7.2
35611 23	1-1/4" and 1-1/2" discharge outlet	43.8	9.8	213.6	11.6
35611 24	2" and 2-1/2" discharge outlet	34.0	11.8	43.0	7.8
35611 25	3" discharge outlet	21.5	9.9	24.2	6.1
35611 26	4" to 6" discharge outlet	22.1	16.6	16.3	9.5
35611 29	Over 6" discharge outlet	3.8	10.1	2.1	4.8
	Single stage, double suction:				
35611 42	Under 4" discharge outlet	10.2	3.6	9.9	2.7
35611 44	4" and 5" discharge outlet	6.7	6.1	4.1	3.7
35611 46	6" and 7" discharge outlet	3.2	4.2	2.0	2.1
35611 48	8" and 12" discharge outlet	2.5	7.0	2.1	4.8
35611 49	Over 12" discharge outlet	.7	6.9	.4	3.2
	Multistage (single or double suction):				
35611 52	1-1/2" discharge outlet and under	14.7	2.6	9.5	1.5
35611 54	2" and 3" discharge outlet	5.2	10.4	4.0	5.6
35611 56	4" and 5" discharge outlet	2.3	8.0	1.5	4.6
35611 58	6" and 7" discharge outlet	1.1	5.5	1.0	4.8
35611 59	8" and over discharge outlet	1.2	17.5	.5	11.4
	Propeller and mixed flow:				
35611 62	20" and under	2.0	4.2	1.6	3.9
35611 64	Over 20"	.5	6.0	.5	7.0
	All other centrifugal pumps (including can, etc.):				
35611 65	1-1/2" discharge outlet and under	314.4	6.1	136.9	3.7
35611 66	2" to 6" discharge outlet	25.9	9.6	25.4	7.3
35611 69	Over 6" discharge outlet	2.0	13.6	2.4	10.5
	Rotary pumps, total	736.8	47.0	583.3	31.1
	100 p.s.i. and under, designed pressure:				
35611 72	10 g.p.m. and under, designed capacity	231.9	6.6	251.3	5.9
35611 73	11-299 g.p.m. designed capacity	174.3	15.4	93.9	8.4
35611 74	300 g.p.m. and over, designed capacity	2.6	1.6	4.2	1.3
35611 75	101-250 p.s.i. designed pressure	215.6	13.6	153.6	10.0
35611 76	251-500 p.s.i. designed pressure	105.7	7.4	72.5	4.3
35611 79	Over 500 p.s.i. designed pressure	6.8	2.4	7.8	1.2
35611 98	Other industrial pumps	48.4	8.3	42.4	8.1
35612 --	Hydraulic fluid power pumps and motors and vacuum pumps:				
	As reported in the census of manufactures[1]	(X)	218.6	(X)	134.9
	As reported on Census Form MA-35P[1]	(X)	207.5	(X)	134.0
	Value of drivers (reported separately)[2]	(X)	9.4	(X)	7.5
	Hydraulic fluid power pumps and motors, total	2,015.4	172.2	1,382.4	107.3
35612 81	Gear type	1,385.1	60.0	974.7	35.7
35612 83	Vane type[3]	427.3	38.5	306.2	21.2

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity	Value (million dollars)	Quantity	Value (million dollars)
3561- --	PUMPS AND COMPRESSORS--Continued				
35612	Hydraulic fluid power pumps and motors and vacuum pumps--Continued				
	Hydraulic fluid power pumps and motors--Continued				
35612 85	Axial	187.7	58.6	88.6	38.2
35612 87	Rotary or radial	15.3	15.1	12.9	12.3
	Vacuum pumps (except laboratory):				
35612 93	Moderate (low) vacuum	134.1	18.9	108.7	19.2
35612 94	High vacuum	27.3	7.0		
35613 --	Domestic water systems, hand and windmill pumps, pump jacks, and cylinders for domestic water systems	(X)	140.3	(X)	83.7
35614 --	Air and gas compressors, except refrigeration compressors:				
	As reported in the census of manufactures[1]	(X)	501.0	(X)	292.3
	As reported on Census Form MA-35P[1]	(X)	469.1	(X)	285.9
	Value of drivers (reported separately)[2]	(X)	48.1	(X)	28.9
	Air compressors, total	282.8	217.4	244.1	140.5
	Stationary, total	203.8	155.8	175.7	88.5
35614 11	1-1/2 hp. and under	121.3	10.5	114.0	9.7
35614 12	Over 1-1/2-5 hp	48.0	15.3	39.0	11.7
35614 13	6-15 hp	19.9	16.7	13.2	9.9
35614 15	16-100 hp	12.1	54.4	7.9	27.1
35614 16	101-250 hp	1.8	25.6	1.5	16.3
35614 17	251-1,000 hp	0.6	20.8	.3	8.2
35614 19	Over 1,000 hp	0.1	12.3	(Z)	5.5
	Portable, total	79.0	61.6	68.4	52.0
35614 31	Under 75 c.f.m.	69.1	8.7	60.4	9.4
35614 32	75-150 c.f.m.	6.8	20.4	6.3	18.4
35614 33	151-400 c.f.m.	1.9	11.9	.7	5.7
35614 35	Over 400 c.f.m.	1.2	20.6	1.0	18.7
	Gas compressors, total	4.2	191.6	3.3	107.6
35614 41	Centrifugal and axial	.5	50.3	.4	27.7
	Reciprocating and rotary, total	3.7	141.3	2.9	79.9
	Integral diesel, or gas-engine powered (reciprocating):				
35614 52	250 hp. and under	.3	[4]6.3	.3	[4]3.1
35614 55	251-1,000 hp	.2	[4]14.6	.2	[4]14.1
35614 57	Over 1,000 hp	.3	[4]79.2	.2	[4]43.0
	Other than integral engine powered (reciprocating and rotary):				
35614 62	250 hp. and under	2.4	10.1	1.9	6.4
35614 65	251-1,000 hp	.5	15.3	.3	8.0
35614 67	Over 1,000 hp	.1	15.9	(Z)	5.3
35614 81 35614 97	Other compressors[5]	207.8	12.0	155.3	8.9
35615 --	Pumps and compressors, n.e.c., except refrigeration compressors, total	(X)	197.5	(X)	148.0
	Products included in the census of manufactures and on Census Annual Form MA-35P:				
35615 19	As reported in the census of manufactures[1]	(X)	120.2	(X)	86.9
	As reported on Census Form MA-35P[1]	(X)	107.4	(X)	77.0
	Value of drivers (reported separately)[2]	(X)	19.9	(X)	5.3
	Oil-well and oilfield pumps (except boilerfeed), total	43.3	44.5	42.8	43.2
35615 11	Subsurface pumps for oil-well pumping	42.0	32.7	41.0	31.6
35615 13	Slush pumps	.2	7.2	.2	6.0
35615 15	Other oil-well and oilfield pumps	1.1	4.5	1.7	5.6
35615 96	Other pumps (except automotive) (such as oil burner and appliance pumps, fire engine pumps, laboratory pumps, sump pumps, etc.)	2,179.3	43.0	1,761.3	28.6
	Industrial spraying equipment:				
35615 31	Power paint-spraying outfits and liquid power sprayers, except agricultural types	(X)	70.0	(X)	54.2
35615 51	Hand sprayers, except agricultural and flame types	(X)	1.3	(X)	1.9
35615 00	Pumps and compressors, n.e.c., n.s.k.	(X)	6.0	(X)	5.0
35616 11	Parts and attachments for pumps, air and gas compressors, and pumping equipment	(X)	383.6	(X)	250.1
35610 00	Pumps and compressors, n.s.k. (For companies with ten or more employees. See Note.)	(X)	60.3	(X)	18.4
35610 02	Pumps and compressors, n.s.k. (For companies with less than ten employees. See Note.)	(X)	9.3		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers		
		1967		1963
		Quantity (million units)	Value (million dollars)	Value (million dollars)
3562- --	BALL AND ROLLER BEARINGS, TOTAL	(X)	1,292.2	[6]961.0
35621 --	Ball bearings, complete, total	(X)	472.7	[6]384.1
	Annular, ground or precision (including self-aligning):			
	Single row conrad:			
	Miniature (below 9mm o.d.):			
35621 03	Regular (BEC 1 and 3)	4.1	3.8	35.2
35621 05	Precision (BEC 5 and up)	6.7	15.8	
	Other:			
35621 06	Regular (BEC 1 and 3)	198.6	228.5	187.1
35621 08	Precision (BEC 5 and up)	7.2	56.6	
35621 14	Single row maximum capacity type	11.7	30.3	25.1
35621 16	Double row	17.1	38.2	23.0
35621 18	Angular contact	5.9	22.5	19.6
35621 19	All other ground or precision bearings	18.8	28.7	52.7
35621 25	Annular, unground (including self-aligning)	89.5	9.5	8.5
35621 33	Thrust, ground	9.0	14.6	13.9
35621 35	Thrust, unground	(NA)	3.5	2.1
35621 51	Other ball bearings	(NA)	14.9	13.8
35621 00	Not specified by kind	(X)	5.8	3.1
35622 31	Taper (except thrust) roller bearings, complete	(NA)	367.7	[6]294.2
35623 --	Other roller bearings, complete, total	(X)	225.0	[6]152.1
	Cylindrical, except thrust:			
35623 13	Regular (BEC 1 and 3)	[e]41.5	88.4	64.7
35623 15	Precision (BEC 5 and up)	1.5	10.8	
	Spherical (including hourglass and barrel but excluding thrust):			
35623 23	Single row	2.1	10.0	7.8
35623 27	Double row	[e]0.8	40.2	33.9
35623 41	Needle	[e]98.7	36.4	24.3
35623 53	Thrust (all types)	[e]47.9	25.0	12.7
35623 98	Other roller bearings	[e]12.2	14.1	6.2
35623 00	Not specified by kind	(X)	-	2.5
35624 --	Mounted bearings, total	(X)	96.0	[6]62.1
	Ball:			
35624 13	Unit mounted	14.5	57.0	[7]39.3
35624 15	Split mounted	[e]0.1	0.9	
	Roller:			
35624 53	Unit mounted	(NA)	36.7	[8]22.8
35624 55	Split mounted			
35624 00	Not specified by kind	(X)	1.3	-
35629 --	Parts and components for ball and roller bearings, including balls and rollers, sold separately, total	(X)	118.7	[6]65.0
35629 11	Balls	(NA)	66.9	27.1
35629 31	Rollers	6.2	22.4	8.3
35629 51	Other antifriction bearing components and parts, including unassembled bearings, cages, housing closures, collars, races, etc	(X)	29.3	28.9
35629 00	Not specified by kind	(X)	0.2	0.7
35620 00	Ball and roller bearings, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	11.3	3.3
35620 02	Ball and roller bearings, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	0.8	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value (million dollars) 1967	1963
3564- --	BLOWERS AND FANS, TOTAL	499.1	299.4
35641 00	Industrial fans and blowers, including blowers, industrial, exhaust, attic, and ventilating fans, and parts:		
	As reported in the census of manufactures[1]	294.9	191.2
	As reported on Census Annual Form MA-35H total[1]	274.9	192.7
	Fan and blower group, total	234.4	164.2
	Centrifugal and blowers	136.8	97.8
35641 17	Blower-filter units	1.0	3.3
35641 19	Classes I and II fans (over 1-1/2" to 6-3/4" maximum total pressure)	25.4	17.5
35641 21	Classes III and IV fans (greater than 6-3/4" maximum total pressure)	17.3	9.3
35641 23	Furnace and light-weight air-conditioning blowers	10.9	9.4
35641 24	Industrial fans, excluding blowers, turbo-blowers, and multistage blowers	24.1	[9]26.1
35641 27	Positive displacement blowers (excluding turbo-blowers)	21.7	10.4
35641 28	Turbo-blowers (single, stage, single and double inlet)		11.0
35641 29	Multistage blowers	17.9	([9])
35641 31	Small housed blowers (utility sets)	18.5	10.8
	Propeller fans and accessories	24.4	21.8
	Industrial	19.9	17.9
35641 33	Directly connected to driver	10.7	8.6
35641 35	Belt-driven	9.2	9.3
35641 37	Penthouses, shutters, guards, and other accessories	4.5	3.9
	Axial fans	32.9	19.4
35641 13	Directly connected to driver	24.6	15.9
35641 15	Belt-driven	8.3	3.6
35641 39	Parts for fans and blowers	40.4	25.1
	Power roof ventilators group, total	40.4	28.5
35641 41	Axial and propeller type	16.2	14.3
35641 43	Centrifugal type	[10]22.9	13.8
35641 45	Parts for power roof ventilators	1.4	.4
35642 --	Dust collection, air purification equipment and air washers, total	182.5	95.0
35642 31	Air washers:		
	As reported in the census of manufactures[1]	2.7	3.9
	As reported on Census Annual Form MA-35H[1]	2.5	3.6
	Dust collection and other air purification equipment:		
	For heating, ventilating, and air-conditioning systems:		
35642 41	Electrostatic precipitation equipment	19.2	[11]21.8
35642 43	Air filters for air-conditioners and furnaces, etc., of 2400 c.f.m. and under	28.7	
35642 49	Other dust collection and other air purification equipment (including air filters for air-conditioners and furnaces, etc., of over 2400 c.f.m.)	20.0	[12]66.5
	For industrial gas cleaning equipment:		
35642 51	Electrostatic precipitation equipment	26.9	([11])
35642 54	Fabric filters	32.7	
35642 55	Mechanical collectors	21.0	
35642 57	Scrubbers	3.7	([12])
35642 59	Other	13.4	
35642 00	Dust collection, air purification equipment and air washers, n.s.k.	14.2	2.8
35640 00	Blowers and fans, n.s.k. (For companies with 10 or more employees. See Note.)	17.4	13.2
35640 02	Blowers and fans, n.s.k. (For companies with fewer than 10 employees. See Note.)	4.3	
3565- --	INDUSTRIAL PATTERNS, TOTAL[13]	233.7	159.9
35650 11	Foundry patterns (wood, metal, etc.)	162.3	105.6
35650 98	All other industrial patterns (wood, metal, etc.) (except shoe patterns)	16.0	28.1
35650 00	Industrial patterns, n.s.k. (For companies with 10 or more employees. See Note.)	31.4	26.2
35650 02	Industrial patterns, n.s.k. (For companies with less than 10 employees. See Note.)	24.0	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3566- --	POWER TRANSMISSION EQUIPMENT, TOTAL	(X)	1,283.4	(X)	883.4
35661 --	Plain bearings	(X)	109.5	(X)	87.9
35661 15	Plain bearings and bushings, unmounted, machined, excluding carbon and graphite, all types, except automotive	(X)	86.8	(X)	77.4
35661 51	Mounted bearings, plain	(X)	11.1	(X)	10.2
35661 00	Plain bearings, n.s.k	(X)	11.7	(X)	0.4
35662 --	Speed changers, industrial high speed drives, and gears	(X)	506.4	(X)	333.3
	Gears, assembled and unassembled, speed reducers and increasers, mechanical power transmissions, except marine, automobile, truck, bus and aircraft (excludes aircraft, related engine and power take-off gears):				
35662 11	Variable speed changers	(NA)	47.0	79.5	17.1
35662 21	Industrial high speed drives, fixed ratio (pitch line velocity 4,000 feet per minute and over, and pinion speeds of 3,600 r.p.m. and over)			(NA)	12.3
	Speed reducers, fixed ratio, enclosed (except gear motors):				
	Worm gear speed reducers (except gear motors and shaft mounted speed reducers):				
35662 22	Above 8 inch center distance	(NA)	3.2	(NA)	17.9
35662 23	Above 3 inch center distance up to and including 8 inch	(NA)	13.2		
35662 24	3 inch center distance and below	319.4	25.6	161.8	12.0
35662 26	Shaft mounted speed reducers (excludes shaft mounted gear motors but includes shaft mounted worm gear reducers)	161.9	27.2	87.2	15.5
	Parallel, concentric shaft and bevel gear speed reducers:				
35662 27	Above 15 inch low speed centers	8.6	20.4	8.2	16.9
35662 28	15 inch low speed centers and below	(NA)	30.9	(NA)	17.2
	Gear motor reducer elements produced at the plant, including shaft mounted gear motors:				
35662 34	Under 1/8 horsepower	(NA)	[14]30.0	(NA)	[14]15.7
35662 36	1/8 horsepower to but not including 3/4 horsepower	340.2	[14]20.6	236.8	[14]15.0
35662 37	3/4 horsepower to and including 5 horsepower	255.8	[14]39.5	129.1	[14]18.8
35662 39	Over 5 horsepower	104.8	[14]31.5	77.4	[14]16.7
	Gears, pinions and racks, unmounted:				
35662 41	Fine pitch (20.00 diametral pitch and higher)	(X)	48.3	(X)	34.0
35662 49	Other than fine pitch (19.99 diametral pitch and less) excluding aircraft and related engine and power take-off gears but including railway type pinions, and racks	(X)	136.9	(X)	113.0
35662 00	Speed changers, gears and industrial high speed drives, n.s.k	(X)	32.1	(X)	11.0
35663 --	Other mechanical power-transmission equipment	(X)	604.5	(X)	449.5
	Clutches:				
35663 11	Friction type clutches	(NA)	25.4	(NA)	25.5
35663 13	Hydraulic type clutches including hydraulic couplings	(NA)	13.7	(NA)	9.7
35663 19	All other clutches	(NA)	21.0	([15])	([15])
	Flexible couplings:				
	1-inch nominal bore and over:				
35663 21	Gear type	(NA)	24.9	68.9	10.3
35663 22	Other than gear type	1,035.7	19.5	542.5	14.6
35663 24	Less than 1-inch nominal bore	(NA)	1.7	498.6	2.2
35663 25	Universal joints	5,500.6	54.8	3,204.4	29.2
35663 27	Flexible shafts	(X)	1.3	(X)	([15])
	Chains for sprocket drives:				
35663 33	ASA standard roller chain	(X)	86.4	(X)	98.9
35663 35	Other chains for sprocket drives	(X)	33.7		
	Sprockets:				
35663 43	For ASA standard roller chain	(X)	31.7	(X)	29.0
35663 45	Other sprockets	(X)	11.2		
35663 51	Pulleys	(NA)	13.6	(NA)	17.6
	Sheaves:				
35663 61	Single drive	(NA)	24.4	(NA)	5.7
35663 65	Multiple drive	(NA)		(NA)	15.3

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3566- --	POWER TRANSMISSION--Continued				
35663 --	Other mechinical power-transmission equipment--Continued				
35663 87	Railroad car journal bearings	(NA)	([16])	(NA)	8.7
35663 92	Inboard marine gear transmissions (less than 600 horsepower) (includes reversing and speed changing gear drives)	(X)	23.4	(X)	11.2
35663 94	Inboard marine gear transmissions (600 hp. and over) (including reversing and speed changing gear drives but excluding outboard gear drives)	(X)	3.1		
35663 96	Outboard gear drives (inboard prime mover)				
35663 98	Other mechinical power-transmission equipment (except aircraft, automobile, truck, and bus)	(X)	[16]179.8	(X)	[15]163.4
35663 00	Other mechanical power-transmission equipment, n.s.k.	(X)	34.9	(X)	8.4
35660 00	Mechanical power-transmission equipment, including bearings, n.s.k. (For companies with 10 employees or more. See Note.)	(X)	57.2	(X)	12.6
35660 02	Mechanical power-transmission equipment, including bearings, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	5.7		
3567- --	INDUSTRIAL FURNACES AND OVENS, TOTAL[17]	(X)	[18]415.9	(X)	[18]237.7
35671 --	Electric industrial furnaces and ovens, metal processing, total	(X)	90.8	(X)	44.7
	Electric furnaces, excluding induction:				
35671 11	Metal melting	[e]457	19.8	204	8.4
35671 21	Metal processing and heat treating (such as annealing, hardening, carburizing, and porcelain enameling furnaces)	[e]2,264	46.2	1,994	26.6
35671 43	Electric, including infrared industrial ovens	(NA)	22.8	11,057	9.3
35671 00	Electric industrial furnaces and ovens, metal processing, n.s.k.	(X)	2.0	(X)	0.5
35672 --	Fuel-fired industrial furnaces and ovens, metal processing, total	(X)	155.7	(X)	76.6
35672 11	Metal melting, including blast furnaces and cupolas	1,397	16.9	599	8.4
35672 21	Metal processing and heat treating (such as annealing, hardening, carburizing, and porcelain enameling furnaces)	3,535	93.3	1,747	40.6
35672 41	Industrial ovens	3,459	28.3	2,084	10.6
35672 61	Hot rolling, forging, forming, and extruding furnaces and ovens	(NA)	14.8	(NA)	16.3
35672 00	Fuel-fired industrial furnaces and ovens, metal processing	(X)	2.3	(X)	0.8
35673 --	High frequency induction and dielectric heating equipment and parts, attachments and components, total	(X)	149.0	(X)	109.9
	Induction furnaces and heating equipment:				
35673 13	Radio frequency types including spark gap	(NA)	18.0	1,110	7.7
35673 15	Line and motor-generators set frequency types	(NA)	9.9	(NA)	11.0
	Other electrical equipment for industrial use, except soldering irons:				
	Industrial electric heating units and devices (except heating units for electric furnaces):				
35673 31	Dielectric heating equipment	(X)	6.2	(X)	15.0
35673 51	Tubular heating	(X)	6.4	(X)	5.2
35673 59	All other industrial electric heating units and devices (including strip, space, and ring heaters; water and all immersion heaters; glue and compound pots; etc.)	(X)	40.9	(X)	24.7
35673 91	Parts, attachments, and components for industrial furnaces and ovens, including electric heating units (sold separately)	(X)	61.8	(X)	45.3
35673 00	High frequency induction and dielectric heating equipment and parts, attachments and components, n.s.k.	(X)	5.8	(X)	1.0
35670 00	Industrial process furnaces and ovens, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	16.3	(X)	6.5
33670 02	Industrial process furnaces and ovens, n.s.k. (For companies with less than than 10 employees. See Note.)	(X)	4.0		
3569- --	GENERAL INDUSTRIAL MACHINERY, N.E.C., TOTAL	(X)	899.8	(X)	664.3
	Packaging and wrapping machines (except for food, tobacco, liquor, wine, beer, and dairy products):				
35690 12	Filling-capping machines, including collapsible tube filling, closing, sealing machines	1,707	6.7	1,379	4.8
35690 13	Aerosol packaging machines	(NA)	7.0	6,538	22.0
35690 14	Bag and pouch forming, filling, and sealing machines	4,041	21.1		
35690 19	Other wrapping and packaging machinery, such as bundling, banding, unit packaging and tablet wadding	(NA)	64.2	(NA)	31.6
35690 25	Box, case, carton, and tray setting up, loading, lining, closing, and sealing machines	1,719	20.6	726	6.7
35690 26	Labeling and marking machines (except for food, tobacco, liquor, beer, wine, and dairy products)	(NA)	19.9	3,716	7.8

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3569- --	GENERAL INDUSTRIAL MACHINERY--Continued				
	General industrial machinery and equipment, n.e.c.:				
35690 31	Gas generating equipment	(X)	21.8	(X)	19.6
35690 43	Filters, except internal combustion engine filters and air filters for furnaces and air conditioning equipment	(NA)	168.1	(NA)	120.3
35690 45	Strainers	(NA)	20.0		
35690 51	Centrifugals and separators, except cream, grain, and berry separators	(NA)	28.8	(NA)	20.7
35690 73	Hydraulic jacks	(NA)	24.2	76,891	20.0
35690 71	Pneumatic jacks				
35690 61	Automatic fire sprinkler equipment	(X)	19.3	(X)	351.2
35690 98	All other general industrial machinery and equipment	(NA)	343.7		
35690 00	General industrial machinery, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	123.0	(X)	59.4
35690 02	General industrial machinery, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	11.1		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]From 10 to 30 percent of this figure was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]For these products, data were also collected in the Census Commodity Survey Program. In lieu of asking for detailed statistics on these products in the census of manufactures, respondents were asked to report only value of shipments for specified classes of products for which separate figures had previously been collected on the annual, quarterly, or monthly form. In most cases, the value figures reported in the census of manufactures for each class of product agreed closely with the corresponding figures reported in the commodity surveys. However, there were some differences between the census figures and the commodity survey figures. These variations were due primarily to the following reasons:

a. Use of different reporting periods (calendar year vs. fiscal year).
b. Use of different bases for reporting value (company sales vs. factory production).
c. Use of estimates in reporting data on the commodity surveys, whereas census of manufactures figures generally represent more exact shipments figures.

[2]The value of drivers was reported only at the product class level. For each product line, value figures exclude, except as noted for codes 3561452-57, the value of drivers (electric motors or prime movers) shipped with that product. The extent to which some respondents may have included the value of drivers with the value of specific pumps or compressors is unknown.

[3]Does not include hydraulic fluid power pumps for power steering units in passenger automobiles.

[4]Includes the value of drivers.

[5]Includes compressors for air brake systems used in transportation equipment and pneumatic (air) power compressors and motors (code 3561481).

[6]In 1963, the following figures represent the value of shipments of ball and roller bearings transferred from one plant of a company to another plant of the same company:

Product code	Value
3562-	108.3
35621	13.2
35622, 3, 4, 9	95.1

[7]In 1963 represents 8.0 million units.

[8]In 1963 represents 0.9 million units.

[9]1963 data for multistage blowers (3564129) are included with Industrial fans (3564124).

[10] Represents 159.7 thousand units.

[11]1963 data for electrostatic precipitation equipment for industrial gas cleaning (product code 35642 51) are included with product code 35642 41 electrostatic precipitation equipment for heating, ventilating and air-conditioning systems.

[12]1963 data for industrial gas cleaning equipment (other than electrostatic precipitation types) are included with product code 35642 49, other dust collection and other air purification equipment.

[13]Excludes industrial patterns produced for use in the same establishment.

[14]Represents the value of gear motor reducer elements only. Does not include the value of electric motors shipped as part of gear motor reducer elements.

[15]In 1963, these values were combined in 35663 98, other mechanical power-transmission equipment.

[16]In 1967, this value was combined in 35663 98, other mechanical power-transmission equipment.

[17]Represents shipments of industrial furnaces and ovens produced by manufacturing establishments only. Does not include industrial furnaces and ovens erected at the site by engineering and construction firms which purchase component parts for such furnaces and ovens.

[18]For 1963, establishments classified in industry 3567 reported a breakdown of shipments of industrial furnaces and ovens between "Field assembled" and "Factory assembled" installations. For 1963, the total of $202 million of industrial furnaces and ovens and parts reported by establishments classified in industry 3567, "Field assembled" amounted to $75 million and "Factory assembled" amounted to $127 million. No such data are available for 1967.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
INDUSTRIAL PUMPS, EXCEPT HYDRAULIC FLUID PUMPS (35611)		
United States	436.9	321.9
Northeast Region	149.8	114.0
New England Div	23.9	19.7
Maine	AA	(D)
Massachusetts	17.1	13.0
Rhode Island	BB	(1)
Connecticut	AA	(1)
Middle Atlantic Div	125.9	94.3
New York	26.2	16.4
New Jersey	64.1	48.3
Pennsylvania	35.7	29.6
North Central Region	164.2	117.3
East North Central Div	130.9	95.9
Ohio	46.1	27.2
Indiana	11.2	11.2
Illinois	40.1	37.3
Michigan	17.5	11.1
Wisconsin	15.9	9.0
West North Central Div	33.3	21.4
Minnesota	CC	3.9
Iowa	CC	7.8
Nebraska	BB	(D)
Kansas	EE	(1)
South Region	47.2	23.0
South Atlantic Div	EE	(D)
North Carolina	BB	(D)
South Carolina	BB	(D)
Georgia	BB	(1)
Florida	2.8	1.4
East South Central Div	BB	(D)
Tennessee	BB	(1)
West South Central Div	28.1	(D)
Arkansas	AA	1.2
Oklahoma	6.1	4.6
Texas	20.5	6.4
West Region	75.7	67.7
Mountain Div	13.0	9.2
Colorado	CC	(1)
Utah	BB	(1)
Pacific Div	62.7	58.5
Oregon	EE	(1)
California	GG	(D)
HYDRAULIC FLUID POWER PUMPS, MOTORS, VACUUM PUMPS (35612)		
United States	218.6	134.9
Northeast Region	21.7	23.1
New England Div	12.3	15.3
Massachusetts	BB	(1)
Connecticut	CC	(1)
Middle Atlantic Div	9.5	7.8
New York	BB	4.2
New Jersey	BB	1.7
Pennsylvania	3.6	1.8

Product class and geographic area	Value of shipments	
	1967	1963
HYDRAULIC FLUID POWER PUMPS, MOTORS, VACUUM PUMPS (35612)--Continued		
North Central Region	142.9	84.3
East North Central Div	83.1	56.4
Ohio	29.7	19.8
Illinois	EE	(1)
Michigan	13.8	9.7
Wisconsin	21.9	18.7
West North Central Div	59.8	27.9
Minnesota	EE	(1)
Missouri	EE	(1)
Nebraska	FF	(1)
Kansas	CC	(1)
South Region	26.7	8.8
South Atlantic Div	AA	(D)
Georgia	AA	(D)
East South Central Div	FF	(D)
Mississippi	FF	(1)
West South Central Div	AA	(D)
Oklahoma	AA	(1)
West Region		
Pacific Div		
California	27.2	18.7
	27.2	(D)
	27.7	(1)
DOMESTIC WATER SYSTEMS, PUMPS JACKS, CYLINDERS (35613)		
United States	140.3	83.7
Northeast Region	EE	(D)
Middle Atlantic Div	EE	(D)
New York	EE	(1)
North Central Region	75.7	56.2
East North Central Div	62.0	41.5
Ohio	22.5	20.0
Indiana	EE	5.8
Illinois	14.3	(1)
Wisconsin	EE	(1)
West North Central Div	13.7	14.7
Iowa	CC	(1)
Missouri	AA	(1)
Nebraska	BB	(1)
Kansas	BB	(1)
South Region	FF	(D)
South Atlantic Div	AA	1.2
Georgia	AA	(D)
West South Central Div	FF	10.0
Arkansas	EE	6.0
Oklahoma	CC	(1)
Texas	4.5	(1)
West Region	FF	(D)
Pacific Div	27.1	6.3
California	27.1	(1)

Product class and geographic area	Value of shipments	
	1967	1963
AIR AND GAS COMPRESSORS, EXCEPT REFRIGERATION COMPRESSORS (35614)		
United States	501.0	292.3
Northeast Region	298.2	179.4
New England Div	18.6	12.7
Massachusetts	EE	(1)
Connecticut	BB	(1)
Middle Atlantic Div	279.6	166.7
New York	165.5	103.6
New Jersey	25.5	17.2
Pennsylvania	88.6	45.9
North Central Region	147.2	95.1
East North Central Div	143.6	92.0
Ohio	58.7	36.8
Indiana	FF	(1)
Illinois	40.3	31.5
Michigan	CC	(1)
Wisconsin	12.4	6.3
West North Central Div	3.6	3.1
Missouri	BB	(1)
South Region	49.3	16.4
East South Central Div	AA	(D)
Kentucky	AA	(D)
West South Central Div	47.1	(D)
Louisiana	BB	(1)
Oklahoma	CC	(1)
Texas	36.8	(1)
West Region	6.3	1.4
Pacific Div	6.3	(D)
California	6.3	(1)
PUMPS AND COMPRESSORS N.E.C., EXCEPT REFRIGERATION COMPRESSORS (35615)		
United States	197.5	148.0
Northeast Region	25.3	14.7
New England Div	5.3	4.7
Massachusetts	AA	(D)
Rhode Island	BB	(1)
Connecticut	AA	(D)
Middle Atlantic Div	20.0	10.0
New York	6.9	.9
New Jersey	3.3	3.8
Pennsylvania	9.9	5.3
North Central Region	97.8	77.2
East North Central Div	86.9	71.3
Ohio	22.8	21.8
Indiana	BB	1.6
Illinois	46.3	37.7
Michigan	CC	4.4
Wisconsin	9.5	5.8
West North Central Div	11.0	5.9
Minnesota	CC	4.5
Iowa	AA	(1)
Kansas	AA	1.1

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
PUMPS AND COMPRESSORS, N.E.C., EXCEPT REFRIGERATION COMPRESSORS (35615)		
South Region	53.2	37.0
South Atlantic Div.	3.7	2.3
Florida	BB	1.1
East South Central Div.	2.6	1.1
West South Central Div.	47.0	33.6
Oklahoma	16.3	(1)
Texas	30.7	22.7
West Region	21.1	19.0
Pacific Div.	21.0	18.0
California	20.8	18.0
PARTS AND ATTACHMENTS FOR PUMPS AND COMPRESSORS (35616)		
United States	383.6	250.1
Northeast Region	146.4	95.7
New England Div.	15.5	16.8
Massachusetts	9.5	8.9
Rhode Island	BB	(1)
Connecticut	BB	(1)
Middle Atlantic Div.	130.9	78.9
New York	69.7	37.1
New Jersey	FF	19.2
Pennsylvania	FF	22.6
North Central Region	155.1	100.6
East North Central Div.	119.8	82.1
Ohio	44.6	30.0
Indiana	15.5	11.8
Illinois	32.0	22.1
Michigan	14.9	10.7
Wisconsin	12.8	7.5
West North Central Div.	35.3	18.5
Minnesota	CC	(1)
Iowa	BB	(1)
Missouri	6.0	3.9
Nebraska	EE	(1)
Kansas	BB	(1)
South Region	43.6	22.5
South Atlantic Div.	4.2	2.0
North Carolina	BB	(D)
Georgia	AA	(1)
East South Central Div.	10.1	2.0
Alabama	AA	(1)
Mississippi	CC	(D)
West South Central Div.	29.3	18.5
Oklahoma	10.3	6.4
Texas	17.9	10.9
West Region	38.5	31.4
Mountain Div.	CC	(D)
Colorado	CC	(D)
Pacific Div.	FF	(D)
California	FF	(1)
BALL BEARINGS, COMPLETE (35621)		
United States	472.7	384.1
Northeast Region	360.3	290.3
New England Div.	243.7	189.7
New Hampshire	FF	(1)
Connecticut	GG	(1)
Middle Atlantic Div.	116.5	100.6
New York	GG	(1)
Pennsylvania	GG	(1)
North Central Region	GG	(D)
East North Central Div.	100.2	91.6
Ohio	FF	(1)
Indiana	15.5	7.0
Illinois	FF	(1)
Michigan	FF	(1)
South Region	CC	(D)
South Atlantic Div.	BB	(D)
South Carolina	BB	(1)
West South Central Div.	BB	(D)
Oklahoma	BB	(1)
West Region	BB	(D)
Pacific Div.	BB	(D)
California	BB	(1)
TAPER, (EXCEPT THRUST) ROLLER BEARINGS, COMPLETE (35622)		
United States	367.7	444.8
Northeast Region	GG	139.9
Middle Atlantic Div.	GG	(D)
New York	BB	(1)
New Jersey	FF	(1)
North Central Region	GG	291.2
East North Central Div.	GG	(D)
Ohio	GG	(1)
Indiana	BB	(1)
Illinois	CC	10.6
Michigan	FF	(1)
South Region	FF	(D)
South Atlantic Div.	EE	(D)
Virginia	EE	(1)
East South Central Div.	CC	(D)
Kentucky	CC	(D)
OTHER ROLLER BEARINGS COMPLETE (35623)		
United States	225.0	(NA)
Northeast Region	129.7	(NA)
New England Div.	EE	(NA)
Connecticut	EE	(NA)
Middle Atlantic Div.	GG	(NA)
New York	EE	(NA)
New Jersey	48.7	(NA)
Pennsylvania	45.8	(NA)
North Central Region	63.1	(NA)
East North Central Div.	63.1	(NA)
Ohio	CC	(NA)
Indiana	33.2	(NA)
Illinois	EE	(NA)
Michigan	CC	(NA)
OTHER ROLLER BEARINGS, COMPLETE (35623)--Con.		
South Region	FF	(NA)
South Atlantic Div.	FF	(NA)
North Carolina	CC	(NA)
South Carolina	EE	(NA)
West Region	CC	(NA)
Pacific Div.	CC	(NA)
California	CC	(NA)
MOUNTED BEARINGS (35624)		
United States	96.0	62.5
Northeast Region	FF	18.4
New England Div.	EE	(D)
Connecticut	EE	(1)
Middle Atlantic Div.	EE	(D)
New York	CC	(1)
Pennsylvania	AA	(1)
North Central Region	66.7	41.3
East North Central Div.	66.7	(D)
Ohio	CC	(1)
Indiana	FF	22.6
Illinois	FF	(1)
South Region	BB	(D)
East South Central Div.	BB	(D)
Kentucky	BB	(1)
West Region	AA	(D)
Pacific Div.	AA	(D)
California	AA	(1)
PARTS, COMPONENTS, FOR BALL AND ROLLER BEARINGS (35629)		
United States	118.7	(NA)
Northeast Region	61.6	(NA)
New England Div.	37.2	(NA)
Connecticut	FF	(NA)
Middle Atlantic Div.	24.5	(NA)
New York	BB	(NA)
New Jersey	BB	(NA)
Pennsylvania	18.8	(NA)
North Central Region	40.2	(NA)
East North Central Div.	40.2	(NA)
Ohio	FF	(NA)
Indiana	BB	(NA)
Illinois	BB	(NA)
Michigan	CC	(NA)
South Region	EE	(NA)
South Atlantic Div.	CC	(NA)
Virginia	BB	(NA)
South Carolina	CC	(NA)
East South Central Div.	CC	(NA)
Tennessee	CC	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
INDUSTRIAL FANS AND BLOWERS (35641)		
United States	294.9	191.2
Northeast Region	95.0	68.1
New England Div.	30.1	24.8
New Hampshire	AA	(D)
Massachusetts	EE	(1)
Connecticut	EE	(1)
Middle Atlantic Div.	64.8	43.3
New York	37.9	24.2
New Jersey	9.6	4.8
Pennsylvania	17.3	14.3
North Central Region	159.2	99.9
East North Central Div.	153.5	97.4
Ohio	51.5	29.9
Indiana	38.1	17.8
Illinois	29.6	21.9
Michigan	23.3	16.6
Wisconsin	11.0	11.1
West North Central Div.	5.7	2.5
Minnesota	CC	1.6
South Region	22.8	10.0
South Atlantic Div.	6.2	2.2
South Carolina	BB	(D)
Florida	BB	(1)
East South Central Div.	8.5	3.3
Kentucky	BB	(D)
Tennessee	AA	(1)
Alabama	BB	(1)
West South Central Div.	8.0	4.5
Oklahoma	BB	(1)
Texas	BB	2.0
West Region	18.0	13.3
Mountain Div.	2.7	(D)
Colorado	AA	(D)
Pacific Div.	15.3	(D)
California	EE	12.2
DUST COLLECTION, AIR PURIFICATION EQUIPMENT, WASHERS (35642)		
United States	182.5	95.0
Northeast Region	64.7	27.7
New England Division	7.2	4.6
Massachusetts	2.2	(1)
Connecticut	4.1	(1)
Middle Atlantic Division	57.4	23.1
New York	15.9	4.4
New Jersey	31.6	14.2
Pennsylvania	9.9	4.4
North Central Region	52.6	25.3
East North Central Div.	45.6	20.8
Ohio	12.5	7.3
Indiana	8.4	(1)
Illinois	5.8	(1)
Michigan	14.6	7.5
Wisconsin	4.4	1.7
West North Central Div.	7.0	4.5
Minnesota	CC	(1)
DUST COLLECTION, AIR PURIFICATION EQUIPMENT WASHERS (35642)--Con.		
South Region	50.6	33.5
South Atlantic Div.	EE	(D)
Maryland	EE	(1)
East South Central Div.	FF	(D)
Kentucky	FF	(1)
Tennessee	AA	(D)
West South Central Div.	BB	(D)
Texas	BB	(D)
West Region	14.5	8.4
Pacific Div.	EE	(D)
California	EE	(1)
PLAIN BEARINGS (35661)		
United States	109.5	87.9
Northeast Region	26.5	16.6
New England Division	7.9	(D)
Massachusetts	AA	1.1
Connecticut	CC	(1)
Middle Atlantic Div.	18.6	(D)
New York	2.2	(D)
New Jersey	6.5	(1)
Pennsylvania	9.9	9.3
North Central Region	58.8	57.2
East North Central Div.	55.4	(D)
Ohio	28.8	35.2
Indiana	9.1	10.7
Illinois	3.8	3.8
Michigan	8.1	6.1
Wisconsin	5.6	(D)
West North Central Div.	3.4	(D)
Missouri	AA	(D)
Kansas	AA	(D)
South Region	1.6	1.8
South Atlantic Div.	1.6	(D)
South Carolina	AA	(D)
West Region	22.6	12.3
Pacific Div.	FF	(D)
California	FF	(1)
SPEED CHANGERS, INDUSTRIAL HIGH-SPEED DRIVES, GEARS (35662)		
United States	506.4	333.3
Northeast Region	159.8	115.1
New England Div.	51.5	42.7
Massachusetts	FF	30.1
Connecticut	EE	(1)
Middle Atlantic Div.	108.2	72.4
New York	32.4	19.2
New Jersey	23.6	20.2
Pennsylvania	52.3	33.1
North Central Region	281.9	185.4
East North Central Div.	263.9	175.3
Ohio	43.6	32.0
Indiana	74.9	46.8
Illinois	72.8	50.2
Michigan	18.1	(1)
Wisconsin	54.5	(1)
SPEED CHANGERS, INDUSTRIAL HIGH-SPEED DRIVES, GEARS (35662)--Con.		
West North Central Div.	18.0	10.0
Minnesota	CC	5.3
Iowa	AA	(D)
Missouri	CC	(1)
South Region	25.0	(D)
South Atlantic Div.	8.2	2.3
North Carolina	BB	1.8
South Carolina	AA	(D)
Florida	BB	(D)
East South Central Div.	3.9	(D)
Kentucky	AA	(D)
Mississippi	AA	(D)
West South Central Div.	12.9	9.5
Arkansas	AA	(D)
Texas	EE	(1)
West Region	39.7	24.6
Mountain Div.	CC	(D)
Colorado	CC	(1)
Pacific Div.	FF	(D)
Washington	AA	(D)
California	FF	19.7
OTHER MECHANICAL POWER TRANSMISSION EQUIPMENT (35663)		
United States	604.5	449.5
Northeast Region	113.0	88.1
New England Div.	50.5	38.4
Massachusetts	35.6	26.7
Connecticut	13.0	(1)
Middle Atlantic Div.	63.0	49.7
New York	25.0	18.0
New Jersey	5.7	3.8
Pennsylvania	32.4	27.9
North Central Region	405.2	310.7
East North Central Div.	383.5	291.3
Ohio	33.0	31.2
Illinois	135.1	98.6
Michigan	98.3	58.2
Wisconsin	63.6	71.1
West North Central Div.	21.7	19.4
Minnesota	7.5	5.4
Iowa	BB	(1)
Missouri	3.3	5.9
Kansas	CC	(1)
South Region	62.6	40.8
South Atlantic Div.	32.3	(D)
Maryland	EE	(1)
Virginia	14.5	9.4
South Carolina	BB	(1)
Georgia	BB	(D)
East South Central Div.	21.5	(D)
Kentucky	FF	(1)
West South Central Div.	8.9	(D)
Texas	CC	7.2

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER MECHANICAL POWER TRANSMISSION EQUIPMENT (35663)--Con.		
West Region	23.7	9.9
Mountain Div.	BB	(D)
Colorado	BB	(1)
Pacific Div.	EE	(D)
Oregon	AA	(D)
California	17.4	6.4
ELECTRIC INDUSTRIAL FURNACES, OVENS, METAL PROCESSING (35671)		
United States	90.8	44.7
Northeast Region	28.3	15.8
New England Div.	10.2	5.9
New Hampshire	AA	(1)
Massachusetts	4.0	2.6
Rhode Island	BB	(1)
Middle Atlantic Div.	18.2	9.9
New York	AA	(D)
New Jersey	AA	(D)
Pennsylvania	15.4	8.9
North Central Region	56.5	27.6
East North Central Div.	GG	(D)
Ohio	19.4	4.1
Indiana	BB	(1)
Illinois	22.0	11.8
Michigan	BB	(1)
Wisconsin	CC	(1)
West North Central Div.	BB	(D)
Minnesota	BB	(1)
South Region	1.0	-
West Region	5.0	1.3
Pacific Div.	5.0	(D)
California	5.0	(1)
FUEL-FIRED INDUSTRIAL FURNACES, OVENS, METAL PROCESSING (35672)		
United States	155.7	76.6
Northeast Region	37.2	16.6
New England Div.	2.9	1.5
Connecticut	AA	(D)
Middle Atlantic Div.	34.2	15.1
New Jersey	CC	(1)
Pennsylvania	27.8	10.8
North Central Region	109.7	54.6
FUEL-FIRED INDUSTRIAL FURNACES, OVENS, METAL PROCESSING (35672)--Con.		
North Central Region--Con.		
East North Central Div.	105.5	53.1
Ohio	74.3	29.9
Indiana	BB	(1)
Illinois	11.0	6.6
Michigan	18.8	11.0
Wisconsin	CC	(1)
West North Central Div.	4.2	1.5
Minnesota	BB	(1)
South Region	5.0	1.7
South Atlantic Div.	BB	(D)
Delaware	AA	(D)
Maryland	AA	(D)
East South Central Div.	BB	(D)
Alabama	BB	(D)
West Region	3.8	3.6
Pacific Div.	BB	(D)
California	BB	(1)
HIGH FREQUENCY INDUCTION, DIELECTRIC HEATING EQUIPMENT PARTS (35673)		
United States	149.0	109.9
Northeast Region	65.5	55.4
New England Div.	13.1	13.0
Massachusetts	5.8	8.8
Connecticut	CC	(1)
Middle Atlantic Div.	52.5	42.4
New York	8.7	10.4
New Jersey	16.9	15.6
Pennsylvania	26.9	16.3
North Central Region	64.7	42.5
East North Central Div.	GG	39.3
Ohio	22.4	17.2
Indiana	CC	(1)
Illinois	11.8	6.6
Michigan	10.8	5.3
Wisconsin	CC	(1)
West North Central Div.	BB	3.2
Missouri	BB	(1)
South Region	BB	7.4
South Atlantic Div.	BB	(D)
Maryland	BB	(1)
East South Central Div.	BB	(D)
West Region	CC	4.6
Pacific Div.	CC	(D)
California	CC	3.5
GENERAL INDUSTRIAL MACHINERY N.E.C. (35690)		
United States	899.0	664.3
Northeast Region	331.9	282.0
New England Div.	94.6	96.2
New Hampshire	CC	(1)
Vermont	AA	(1)
Massachusetts	24.3	19.2
Rhode Island	6.3	(1)
Connecticut	53.0	65.8
Middle Atlantic Div.	237.4	185.8
New York	96.6	79.3
New Jersey	56.7	34.8
Pennsylvania	84.1	71.7
North Central Region	363.5	238.9
East North Central Div.	329.8	204.4
Ohio	78.6	54.1
Indiana	37.8	14.9
Illinois	86.8	60.2
Michigan	63.6	37.7
Wisconsin	62.9	37.4
West North Central Div.	33.8	34.5
Minnesota	12.1	15.2
Iowa	6.5	10.1
Missouri	6.1	1.9
Nebraska	1.5	(1)
Kansas	7.5	3.9
South Region	95.4	53.8
South Atlantic Div.	41.2	18.9
Maryland	7.1	5.6
Virginia	1.5	(1)
North Carolina	14.1	3.1
Georgia	12.4	4.8
Florida	4.5	3.3
East South Central Div.	22.4	17.8
Kentucky	CC	(1)
Tennessee	13.3	(1)
Alabama	3.3	2.2
West South Central Div.	31.8	17.1
Arkansas	AA	.5
Louisiana	CC	2.2
Oklahoma	9.5	5.9
Texas	16.0	8.5
West Region	109.0	90.5
Mountain Div.	25.7	13.3
Colorado	BB	(1)
Utah	FF	(1)
Pacific Div.	83.3	77.2
Washington	EE	3.6
Oregon	BB	(1)
California	69.5	73.0

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3561-	Pumps and compressors	1,947.5	1,787.3	1,614.3	1,398.1	1,249.2	1,015.8	867.4	524.4
35611	Industrial pumps, except hydraulic fluid power pumps	436.9	417.9	392.3	361.3	321.9	295.4	316.4	163.2
35612	Hydraulic fluid power pumps and motors and vacuum pumps	218.6	211.9	179.5	153.2	134.9	76.8		
35613	Domestic water systems and pumps, including pump jacks and cylinders	140.3	96.5	83.7	83.4	83.7	67.7	80.0	61.6
35614	Air and gas compressors, except refrigeration compressors	501.0	467.4	389.5	318.7	292.3	260.2	220.2	130.9
35615	Pumps and compressors, n.e.c., except refrigeration compressors	197.5	222.4	211.0	179.8	148.0	123.9	101.1	90.7
35616	Parts and attachments for pumps and compressors	383.6	364.5	349.1	286.3	250.1	180.2	145.0	78.1
35610	Pumps and compressors, n.s.k.	69.6	(6.7)	9.1	15.4	18.4	11.8	4.6	-
3562-	Ball and roller bearings	1,292.2	1,330.6	1,223.7	1,084.6	961.0	636.8	533.8	352.5
35621	Ball bearings, complete[2]	472.7	509.8	450.4	408.9	384.1	289.1	213.7	148.5
35622	Taper (except thrust) roller bearings, complete[2]	367.7	633.0	611.9	532.0	446.3	269.3	248.4	147.6
35623	Other roller bearings, complete[2]	225.0							
35624	Mounted bearings[2]	96.0	93.6	81.0	73.2	62.1	35.0	25.9	18.1
35629	Parts and components for ball and roller bearings, including balls and rollers, sold separately[2]	118.7	92.3	79.0	68.8	65.0	41.1	45.1	37.2
35620	Ball and roller bearings, n.s.k.	12.1	1.9	1.4	1.7	3.3	2.3	.6	1.1
3564-	Blowers and fans	499.1	446.4	386.2	325.0	299.4	252.9	274.0	129.9
35641	Industrial fans and blowers	294.9	269.4	232.1	207.5	191.2	170.6	274.0	129.9
35642	Dust collection, air purification equipment and air washers	182.5	155.9	137.0	104.4	95.0	70.1		
35640	Blowers and fans, n.s.k.	21.7	(21.1)	(17.1)	13.1	13.2	12.2		
3565-	Industrial patterns, except shoe patterns	233.7	244.4	222.1	194.0	159.9	121.3	127.6	53.8
3566-	Power transmission equipment	1,283.4	1,274.1	1,095.2	949.3	883.4	622.7	595.0	426.7
35661	Plain bearings	109.5	137.5	112.5	92.8	87.9	67.0	141.8	120.4
35662	Speed changers, industrial high-speed drives, and gears	506.4	514.5	459.1	380.2	333.3	234.2	218.2	124.6
35663	Other mechanical power transmission equipment	604.5	616.3	519.7	463.3	449.5	310.4	235.0	181.7
35660	Power transmission equipment, n.s.k.	62.9	(5.8)	(3.9)	(12.9)	12.6	11.1	-	-
3567-	Industrial furnaces and ovens	415.9	346.6	308.9	266.1	237.7	184.8	154.3	84.6
35671	Electric industrial furnaces, and ovens, metal processing	90.8	77.8	62.9	48.5	44.7	35.7	37.9	16.3
35672	Fuel-fired industrial furnaces, and ovens, metal processing	155.7	152.1	128.2	101.1	76.6	75.5	81.9	34.4
35673	High frequency induction and dielectric heating equipment and parts, attachments, and components	149.0	110.3	112.0	111.0	109.9	67.7	32.6	23.2
35670	Industrial furnaces and ovens, n.s.k.	20.3	6.4	5.8	(5.5)	6.5	6.1	1.9	10.7
35690	General industrial machinery, n.e.c.	899.8	960.2	793.3	717.1	664.3	467.4	429.1	321.7

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]The product class structure for this industry was revised in 1967 as follows:

1967 code	1966 code
35621	35621
35622	35622
35623	
35624	35623
35629	35624

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3561.--PUMPS AND COMPRESSORS					
	Materials, parts, containers, and supplies, total	.....	(X)	873.7	(X)	570.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	40.0	10.4	38.9	8.7
331012	Sheet and strip	...do.....	32.8	5.6	33.1	5.7
331013	Plates	...do.....	44.7	7.0	34.2	5.6
331015	Structural shapes	...do.....	33.9	5.7	12.1	2.1
331019	All other carbon steel mill shapes and forms	...do.....	24.3	7.4	26.9	7.4
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	18.4	6.0	12.9	4.0
331029	All other alloy steel	...do.....	2.3	1.7	3.4	1.6
331031	Stainless steel	...do.....	10.7	12.4	5.8	7.3
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	2.1	1.6	2.2	1.7
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	5.1	3.2	4.4	2.5
335123	Plate, sheet, and strip, including military cups and discs	...do.....	0.2	0.1	0.7	0.4
335127	Pipe and tube	...do.....	9.4	7.3	4.7	3.1
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.....	1.1	0.9	1.2	0.6
335209	All other aluminum mill shapes and forms (sheet, plate, foil, wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	0.4	0.3	1.4	1.0
	Primary metals:					
331051	Pig iron excluding silvery iron	1,000 short tons.	37.9	2.5	26.2	1.8
333122	Copper and copper-base alloy refinery shapes	...do.....	5.7	5.2	5.4	3.1
999811	Iron and steel scrap (excluding home scrap)	...do.....	61.8	2.6	33.2	1.3
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do.....	143.7	63.7	115.4	43.1
332300	Steel	...do.....	27.2	26.9	11.0	14.5
336100	Aluminum and aluminum-base alloy	Million lbs.....	9.2	7.1	5.5	4.5
336200	Copper and copper-base alloy	...do.....	14.5	15.4	17.1	13.4
339100	Iron and steel forgings[1]	1,000 short tons.	19.5	20.7	8.8	8.8
	Engines:[1]					
351920	Diesel and semidiesel	1,000.....	3.7	7.3	2.0	6.5
351901	Gasoline and other carburetor	...do.....	(NA)	21.8	104.6	7.9
	Electric motors and generators:[1]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	...do.....	1,617.0	28.7	1,421.8	24.6
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	366.6	40.1	231.7	26.9
	Bearings:					
356218	Ball	.....	(X)	7.1	(X)	4.2
356201	Roller	.....	(X)	5.4	(X)	11.9
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	426.5	(X)	305.0
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	123.1	(X)	41.3
	INDUSTRY 3562.--BALL AND ROLLER BEARINGS					
	Materials, parts, containers, and supplies, total	.....	(X)	462.9	(X)	343.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	34.1	10.8	13.2	4.5
331012	Sheet and strip	...do.....	71.9	16.3	68.4	13.1
331017	Wire and wire products	...do.....	56.4	20.3	22.3	8.6
331013	Plates	...do.....	11.5	4.2	3.8	0.5
331015	Structural shapes	...do.....			4.7	1.7
331019	All other carbon steel mill shapes and forms	...do.....				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	114.3	44.3	138.3	52.3
331029	All other alloy mill shapes and forms	...do.....	216.2	110.9	180.2	84.0

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3562.--BALL AND ROLLER BEARINGS--Con.					
	Materials, parts, containers, and supplies--Con.					
	Mill shapes and forms (except castings):--Continued					
331031	Stainless steel	...do	2.7	4.1	1.2	1.8
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded an/or drawn shapes	Million lbs.	3.1	2.5	2.2	1.2
335123	Plate, sheet, and strip, including military cups and discs	...do				
335127	Pipe and tube	...do	(NA)	0.6	0.3	0.1
333122	Copper and copper-base alloy refinery shapes	1,000 short tons.	(3)	(3)	(3)	(3)
	Scrap (excluding home scrap):					
999811	Iron and steel	...do	(3)	(3)	(3)	(3)
999812	Copper and copper-base alloy	...do	(3)	(3)	(NA)	(NA)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	23.7	10.0	21.7	8.3
332300	Steel	...do	9.3	6.7	2.4	1.6
336100	Aluminum and aluminum-base alloy	Million lbs.	(3)	(3)	(3)	(3)
336200	Copper and copper-base alloy	...do	4.0	4.7	2.9	3.1
339915	Metal powders	...do	(3)	(3)	(NA)	(NA)
339100	Iron and steel forgings[1]	1,000 short tons.	31.3	22.1	16.6	11.5
	Bearings:					
356218	Ball	.....	(X)	15.6	(X)	10.8
356201	Roller	.....	(X)	7.7	(X)	3.7
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	176.3	(X)	120.3
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	5.8	(X)	16.7
	INDUSTRY 3564.--BLOWERS AND FANS					
	Materials, parts, containers, and supplies, total	.....	(X)	187.6	(X)	114.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	14.8	2.9	10.1	1.9
331012	Sheet and strip	...do	91.0	15.2	72.3	11.4
331013	Plates	...do	24.3	4.2	19.5	2.9
331015	Structural shapes	...do	5.4	1.1	4.5	0.7
331017	Wire and wire products	...do	1.2	0.8	0.8	0.4
331019	All other carbon steel mill shapes and forms	...do	7.0	1.5	6.5	1.8
331020	Alloy steel, except stainless	...do	8.1	2.3	3.5	1.1
331031	Stainless steel	...do	1.5	2.3	0.9	1.3
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	(NA)	3.8	0.1	(Z)
335123	Plate, sheet, and strip	...do			0.6	0.4
335127	Pipe and tube	...do			1.1	0.7
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	18.8	7.2	10.7	4.3
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	-	-	0.3	0.2
335209	All other aluminum mill shapes and forms	...do	2.6	1.1	0.3	0.2
331051	Pig iron	1,000 short tons.	(3)	(3)	1.4	0.1
999811	Iron and steel scrap (excluding home scrap)	...do	(3)	(3)	(3)	(3)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	7.5	3.6	9.6	4.0
332300	Steel	...do	(3)	(3)	0.5	0.4
336100	Aluminum and aluminum-base alloy	Million lbs.	(NA)	3.8	1.5	1.1
336200	Copper and copper-base alloy	...do	(3)	(3)	0.2	0.2
	Electric motors and generators:					
362110	Timing motors, synchronous and subsynchronous	1,000	677.4	12.1	85.3	1.1
362115	Other fractional horsepower electric motors	...do			218.1	4.8
362120	Integral horsepower motors and generators	...do	128.9	10.8	89.6	7.3
	Bearings:					
356218	Ball	.....	(X)	3.1	(X)	3.2
356201	Roller	.....	(X)	0.4	(X)	0.6
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	79.1	(X)	50.3
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	32.3	(X)	14.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3565.--INDUSTRIAL PATTERNS					
	Materials, components, parts, containers, and supplies, total	.....	(X)	29.9	(X)	23.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	(NA)	0.2	0.6	0.2
331012	Sheet and strip	...do.....	(NA)	0.2	0.1	(Z)
331013	Plates	...do.....				
331015	Structural shapes	...do.....				
331017	Wire and wire products	...do.....	(NA)	0.4	1.4	0.3
331019	All other carbon steel mill shapes and forms	...do.....				
	Alloy Steel (except stainless):					
331021	Bars and bar shapes	...do.....				
331029	All other alloy steel mill shapes and forms	...do.....	(NA)	0.1	0.4	0.2
331031	Stainless steel	...do.....				
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....				
335123	Plate, sheet and strip (including military cups and discs)	...do.....	(NA)	0.1	(NA)	(Z)
335127	Pipe and tube	...do.....				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	(NA)	0.4		
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	(NA)	(Z)	0.3	0.2
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	(NA)	0.1		
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	2.1	1.5	1.9	0.7
332300	Steel	...do.....	(NA)	0.2	0.2	0.1
336100	Aluminum and aluminum-base alloy	Million lbs.....	(NA)	2.1	1.8	1.5
336200	Copper and copper-base alloy	...do.....	(NA)	0.1	0.1	0.1
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	10.9	(X)	7.7
972000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	13.6	(X)	12.4
	INDUSTRY 3566.--POWER TRANSMISSION EQUIPMENT					
	Materials, components, parts, containers, and supplies, total	.....	(X)	399.7	(X)	290.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	89.4	21.3	78.8	16.5
331012	Sheet and strip	...do.....	80.9	19.6	85.0	18.1
331013	Plates	...do.....	42.7	8.2	29.9	4.7
331015	Structural shapes	...do.....	2.3	0.6	3.7	0.8
331017	Wire and wire products	...do.....	4.1	2.4	3.3	1.6
331019	All other carbon steel mill shapes and forms	...do.....	10.0	3.1	7.8	2.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	31.4	10.1	35.6	9.9
331029	All other alloy steel mill shapes and forms	...do.....	23.2	10.6	16.9	8.2
331031	Stainless steel	...do.....	2.2	3.1	1.6	2.0
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	million lbs.....	2.8	1.7	2.0	1.6
335127	Pipe and tube	...do.....	4.7	2.5		
335123	Plate, sheet, and strip, including military cups and discs	...do.....	0.7	0.7	1.2	0.8
333122	Copper and copper-base alloy refinery shapes	1,000 short tons.	7.3	5.5	9.2	6.1
	Scrap (excluding home scrap):					
999811	Iron and steel	...do.....	29.7	1.4	39.7	1.6
999812	Copper and copper-base alloy	...do.....	15.3	9.3	13.0	6.1
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do.....	105.8	37.7	84.5	25.6
332300	Steel	...do.....	9.8	6.9	18.0	8.4
336100	Aluminum and aluminum-base alloy	million lbs.....	6.4	5.3	2.5	2.3
336200	Copper and copper-base alloy	...do.....	10.9	9.4	9.2	5.8

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3566.--POWER TRANMISSION EQUIPMENT--Con.					
	Materials, components, parts, containers, and supplies--Con.					
339915	Metal powders	Million lbs.	7.6	2.6	(NA)	(NA)
339100	Iron and steel forgings[1]	1,000 short tons.	56.1	25.6	36.2	15.8
	Bearings:					
356218	Ball		(X)	10.8	(X)	9.6
356201	Roller		(X)	8.3	(X)	6.6
970099	All other materials and components, parts, containers, and supplies consumed		(X)	111.9	(X)	102.3
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	81.1	(X)	33.6
	INDUSTRY 3567.--INDUSTRIAL FURNACES AND OVENS					
	Materials, components, parts, containers, and supplies, total		(X)	198.3	(X)	113.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	27.0	4.6	38.5	5.9
331013	Plates	...do...	52.7	9.2	38.5	3.0
331015	Structural shapes	...do...	27.8	4.9	8.8	1.5
331019	All other carbon steel mill shapes and forms	...do...	9.6	2.1	6.2	1.6
331020	Alloy steel (except stainless)	...do...	12.3	20.2	1.1	0.9
331031	Stainless steel	...do...			3.7	7.2
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	5.7	4.5	0.4	0.3
335123	Plate, sheet, and strip, including military cups and discs	...do...			0.4	0.3
335127	Pipe and tube	...do...			3.9	3.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do...	(NA)	4.4	3.7	1.9
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do...			0.4	0.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do...			0.1	(Z)
332300	Steel castings (rough and semifinished)[1]	1,000 short tons.	4.5	2.6	5.8	3.3
970099	All other materials and components, parts, components, parts, containers, and supplies consumed		(X)	101.7	(X)	63.5
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	44.1	(X)	20.0
	INDUSTRY 3569.--GENERAL INDUSTRIAL MACHINERY, N.E.C.					
	Materials, components, parts, containers, and supplies, total		(X)	328.0	(X)	222.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	40.4	9.2	40.6	7.4
331012	Sheet and strip	...do...	34.7	6.4	30.9	5.3
331013	Plates	...do...	42.2	7.8	22.0	3.7
331015	Structural shapes	...do...	25.2	5.4	13.3	2.5
331017	Wire and wire products	...do...	(NA)	0.9	1.5	0.8
331019	All other carbon steel mill shapes and forms	...do...	[4]7.6	[4]2.2	14.2	3.3
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do...	5.7	2.5	3.4	1.4
331029	All other alloy steel mill shapes and forms	...do...	5.2	2.8	3.3	1.6
331031	Stainless steel	...do...	5.8	10.2	4.5	7.0
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	1.2	1.0	1.0	0.7
335123	Plate, sheet, and strip, including military cups and discs	...do...	(NA)	1.0	0.9	0.9
335127	Pipe and tube	...do...	[5]	[5]	1.3	0.7
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do...	3.9	2.4	4.7	2.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do...	(NA)	1.2	1.6	1.9
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do...	(NA)	1.6	1.5	1.3
331051	Pig iron excluding silvery iron	1,000 short tons.	[3]	[3]	0.5	(Z)
999811	Iron and steel scrap (excluding home scrap)	...do...	[3]	[3]	2.4	0.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3569.--GENERAL INDUSTRIAL MACHINERY, N.E.C.--Con.					
	Materials, components, parts, containers, and supplies--Con.					
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	21.6	10.5	13.7	6.3
332300	Steel	...do	5.1	5.1	2.5	2.2
336100	Aluminum and aluminum-base alloy	Million lbs	(NA)	3.3	1.4	1.0
336200	Copper and copper-base alloy	...do	4.3	4.4	2.4	2.0
	Electric motors and generators:[1]					
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)	Thousands	124.0	4.8	51.2	1.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do	23.9	3.0	18.6	2.1
	Bearings:					
356218	Ball		(X)	1.0	(X)	0.9
356201	Roller		(X)	0.7	(X)	0.3
970099	All other materials and components, parts, containers, and supplies consumed		(X)	155.2	(X)	115.5
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	85.4	(X)	49.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. (Z) Less than $50 thousand.

[1]For 1967, 77.1 thousand short tons of iron castings (code 332011) were produced and consumed in the same establishment for industry 3561. No other data are available for 1967 on the quantities of castings, forgings, engines, or electric motors and generators produced and consumed in the same establishment. For 1963, the following data are available: industry 3561-- iron castings (code 332011), 54.9 thousand short tons; fractional horsepower electric motors (code 362115), 420.4 thousand units; and integral horsepower motors and generators (code 362120), 13.4 thousand units; industry 3564-- iron castings (code 332011), 1.7 thousand short tons; and aluminum and aluminum-base alloy castings (code 336100), 0.5 thousand short tons; industry 3566-- iron castings (code 332011), 34.7 thousand short tons; and steel castings (code 332300), 0.1 thousand short tons; industry 3569-- iron castings (code 332011), 1.8 thousand short tons; and integral horsepower motors and generators (code 362120), 0.3 thousand units.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]Included with material code 970099 "All other materials and components, etc." to avoid disclosing figures for individual companies.

[4]These figures are understated by $5 million or less because of apparent undercoverage of carbon steel pipe and tube.

[5]Included with material code 970099 "All other materials and components, etc."

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Pumps and compressors (SIC 3561)	Ball and roller bearings (SIC 3562)	Power transmission equipment (SIC 3566)	General industrial machinery, n.e.c. (SIC 3569)
	Cost of purchased fuels and electric energy, total.....	Million dollars..	15.3	16.0	11.6	6.4
	Cost of purchased fuels, total.....	Million dollars..	6.9	6.5	4.5	2.4
121005	Coal (anthracite, bituminous, and lignite):					
	Quantity.....	1,000 short tons.	87.5	65.7	21.4	(NA)
	Cost.....	Million dollars..	0.8	0.4	0.2	(NA)
331212 331213	Coke screenings, and breeze:					
	Quantity.....	1,000 short tons.	17.1	(Z)	(D)	(NA)
	Cost.....	Million dollars..	0.6	(Z)	(D)	(NA)
	Fuel oil, total:					
	Quantity.....	1,000 barrels....	217.3	386.5	162.3	(NA)
	Cost.....	Million dollars..	0.8	1.0	0.6	(NA)
291141	Distillate:					
	Quantity.....	1,000 barrels...	154.6	53.0	55.5	(NA)
	Cost.....	Million dollars..	0.7	0.2	0.2	(NA)
291151	Residual:					
	Quantity.....	1,000 barrels...	62.7	333.4	106.8	(NA)
	Cost.....	Million dollars..	0.2	0.8	0.3	(NA)
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast furnace, coke-oven and other gas):					
	Quantity.....	Million cub. ft.	2,962.8	5,781.3	3,947.4	(NA)
	Cost.....	Million dollars..	1.9	4.2	2.5	(NA)
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.3	0.2	(D)	(NA)
	Fuels, n.s.k.....	...do.....	2.3	0.7	0.9	(NA)
	Purchased electric energy:					
	Quantity.....	Million kw.-hrs.	643.2	919.9	523.0	299.5
	Cost.....	Million dollars..	8.4	9.5	7.1	4.0
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	18.5	(S)	(S)	(S)
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent	4,038.9	4,302.0	2,724.1	1,573.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability. (Z) Less than $50 thousand or less than 50 employees.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)				
3561	PUMPS AND COMPRESSORS										
	ENTIRE INDUSTRY	660	78.3	591.7	49.8	104.6	335.3	1 210.2	1 032.0	2 207.5	62.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	597	58.1	434.3	36.6	76.2	241.6	894.5	821.5	1 688.7	43.6
35611	INDUS. PUMPS, EXC. HYDRAULIC FLUID POWER PUMPS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	108	21.5	164.7	13.3	28.8	93.6	324.7	288.7	605.0	15.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	58	5.3	38.1	3.5	7.4	22.2	94.1	83.4	173.0	3.1
35612	HYDRAULIC FLUID POWER PUMPS, MOTORS, VACUUM PUMPS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	43	9.6	74.8	6.6	13.7	45.5	181.3	114.4	290.1	13.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	26	2.9	22.8	2.0	4.1	13.2	42.9	31.1	70.6	6.3
35613	DOMESTIC WATER SYSTEMS, PUMPS, JACKS, CYLINDERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	35	5.8	46.8	3.7	8.0	25.6	74.3	96.7	168.4	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	16	1.0	7.4	.6	1.2	3.4	6.6	18.0	26.0	.1
35614	AIR AND GAS COMPRESSORS, EXC. REFRIG. COMP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	54	26.1	194.6	16.3	33.8	109.5	399.1	356.1	743.3	19.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	31	5.0	37.4	3.2	6.6	21.6	79.7	91.5	170.7	2.8
35615	PUMPS AND COMPRESSORS, NEC, EXC. REFRIG. COMP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	83	8.6	61.7	5.4	11.1	33.5	131.5	97.1	224.7	4.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	50	3.6	25.9	2.4	5.0	15.0	59.4	40.2	97.7	2.3
35616	PARTS AND ATTACHMENTS FOR PUMPS AND COMPRESSORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	46	3.8	30.3	2.4	5.3	16.6	60.5	49.1	108.9	3.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	25	1.0	8.0	.7	1.4	4.3	16.1	13.5	28.8	1.9
3562	BALL AND ROLLER BEARINGS										
	ENTIRE INDUSTRY	124	58.8	456.0	47.5	100.9	343.5	833.3	510.8	1 328.5	107.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	118	55.3	429.6	44.7	94.9	325.2	784.5	487.3	1 256.5	96.2
35621	BALL BEARINGS, COMPLETE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	44	26.5	207.2	21.0	46.0	154.0	380.4	163.2	536.8	48.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	35	19.6	145.8	15.5	34.3	108.2	278.9	111.3	383.9	19.2
35622	TAPER, (EXCEPT THRUST) ROLLER BEARINGS, COMPLETE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	8	14.9	117.9	12.9	26.5	96.3	196.2	194.9	391.1	28.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	8	14.9	117.9	12.9	26.5	96.3	196.2	194.9	391.1	28.3
35623	OTHER ROLLER BEARINGS, COMPLETE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	24	12.0	89.5	9.4	19.2	64.7	169.9	91.8	254.7	14.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	14	3.9	29.5	3.1	6.5	22.0	57.4	25.9	80.7	5.4
35624	MOUNTED BEARINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	6	2.8	23.1	2.0	4.6	15.3	48.2	30.9	79.7	11.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35629	PARTS, COMPONENTS, FOR BALL AND ROLLER BEARINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	18	2.1	15.4	1.7	3.8	11.2	33.0	26.4	57.9	2.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3564	BLOWERS AND FANS										
	ENTIRE INDUSTRY	287	21.0	149.2	14.9	31.5	93.2	302.2	222.6	525.2	14.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	262	14.2	99.2	10.1	20.8	60.6	204.6	149.0	352.2	9.2
35641	INDUSTRIAL FANS AND BLOWERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	81	13.2	95.6	9.7	20.7	61.2	187.3	137.7	326.1	7.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	61	7.3	50.9	5.3	10.7	30.9	99.9	72.6	172.8	3.7
35642	DUST COLLECTION, AIR PURIFICATION EQPT., WASHERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	78	6.5	45.8	4.2	9.1	27.0	100.6	75.3	175.3	5.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	70	4.8	33.5	3.2	6.8	19.9	79.5	56.3	133.9	3.8
3565	INDUSTRIAL PATTERNS										
	ENTIRE INDUSTRY	1 163	10.9	106.0	9.5	19.4	86.7	165.5	37.0	201.8	8.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 124	9.5	93.0	8.3	16.9	75.6	147.0	33.4	179.9	7.4
3566	POWER TRANSMISSION EQUIPMENT										
	ENTIRE INDUSTRY	513	54.8	409.4	40.6	83.4	273.6	800.7	483.9	1 263.4	57.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	472	43.2	323.5	32.1	66.1	216.2	651.9	396.4	1 029.3	48.0
35661	PLAIN BEARINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	50	5.4	37.8	4.2	8.5	26.2	69.7	44.0	112.7	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	37	3.6	25.5	2.8	6.0	17.6	50.2	32.0	80.1	2.3
35662	SPEED CHANGERS, INDUS. HIGH-SPEED DRIVES, GEARS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	169	21.6	168.4	15.8	33.1	112.3	326.7	184.8	507.8	25.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	144	15.3	119.1	11.5	24.4	81.7	237.5	134.0	369.0	17.7
35663	OTHER MECHANICAL POWER TRANSMISSION EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	121	25.2	185.1	18.6	37.7	123.5	368.7	228.1	580.6	27.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	97	16.4	118.8	12.2	24.8	79.3	248.5	156.1	395.5	19.1
3567	INDUSTRIAL FURNACES AND OVENS										
	ENTIRE INDUSTRY	255	16.1	129.3	8.9	18.3	58.2	259.4	236.1	495.7	11.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	230	12.0	93.4	6.7	13.8	44.1	184.5	185.5	369.6	9.7
35671	ELECTRIC INDUS. FURNACES, OVENS, METAL PROCESSING										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	33	3.8	30.3	2.1	4.5	14.7	52.3	48.1	101.6	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	.9	7.0	.5	1.1	3.4	13.5	9.1	22.0	.6

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967–Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)				
35672	FUEL-FIRED INDUS FURNACES, OVENS, METAL PROCESS'G										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	53	5.6	51.5	2.4	5.0	17.2	104.3	116.0	219.1	5.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	24	2.3	20.4	1.0	2.2	8.2	39.7	53.2	92.1	1.6
35673	HF INDUCTION, DIELECTRIC HEATING EQUIP., PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	53	5.8	40.9	3.8	7.8	23.0	91.7	62.4	154.3	1.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION. .	34	2.2	16.2	1.4	2.9	8.5	33.5	24.3	57.7	1.3
3569	GENERAL INDUSTRIAL MACHINERY, NEC										
	ENTIRE INDUSTRY	758	39.4	295.4	25.4	52.3	163.2	535.9	379.8	901.2	30.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	684	29.4	216.7	18.9	39.0	118.8	415.1	283.2	686.6	19.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. X Not applicable. NA Not available. (D Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

OFFICE, COMPUTING, AND ACCOUNTING MACHINES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3572--Typewriters
3573--Electronic Computing Equipment
3574--Calculating and Accounting Machines, Except Electronic Computing Equipment
3576--Scales and Balances, Except Laboratory
3579--Office Machines, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3572--TYPEWRITERS

This industry comprises establishments primarily engaged in manufacturing typewriters and parts. For a detailed list of products of industry 3572, refer to table 6A, product codes 3572001 to 3572051.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Typewriters Industry in 1967 totaled $596 million. This included shipments of typewriters (primary products), valued at $503 million, shipments of other products (secondary products) valued at $81 million, and miscellaneous receipts (mainly resales) of $11 million.

This industry's shipments of typewriters (primary products) in 1967 represented 86 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 85 percent.

Industry 3572 shipments of typewriters (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $508 million shipped by all industries. In 1963, the coverage ratio was also 99 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3572, these establishments accounted for approximately less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3573--ELECTRONIC COMPUTING EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing electronic computers and/or major logical components intended for use in electronic computer systems. Included are general-purpose electronic analog computers as well as electronic digital computers. The electronic computers may be used for data processing or may be incorporated as components into control equipment for industrial use, and as components of equipment used in weapons and weapons systems, space and oceanographic exploration, transportation, and other systems. Electronic computer systems contain high speed arithmetic and program control units, on-line information storage devices and input/output equipment. Examples of input/output equipment are converters (card and/or tape), readers and printers. Examples of storage devices are magnetic drums and disks, magnetic cores and magnetic film memories. In addition to providing technical manuals necessary for the operation and maintenance of the equipment, establishments in this industry usually furnish general-purpose computer programs and basic operating systems programs needed for effective use of the computer system. Establishments primarily producing rebuilt electronic computers are also included in this industry. Establishments primarily engaged in manufacturing desk calculators, cash registers, accounting machines and similar equipment, typically electrical or mechanical, are classified in industry 3574; electrical and electronic test equipment in industry 3611; industrial controls, including electronic, in industry 3622; and industrial process instruments in industry 3821. For a detailed list of products of industry 3573, refer to table 6A, product codes 3573111 to 3573331.

Both the code number and content for this industry for 1967 were changed from the classification system used in 1963. Electronic computing equipment and calculating and accounting machines were both included in industry 3571 in 1963. In 1967, industries 3573 and 3574 replaced industry 3571. The present composition of industry 3573 is electronic computing equipment. Industry 3574 is composed of calculating and accounting machines.

Value of shipments and other receipts of the Electronic Computing Equipment Industry in 1967 totaled $3,771 million. This included shipments of electronic computing equipment (primary products), valued at $3,516 million, shipments of other products (secondary products) valued at $159 million, and miscellaneous receipts (mainly research and developmental work) of $96 million.

The total value of electronic computing equipment shipped by all producers in 1967 was $4,049 million of which $3,516 million were shipped by plants classified in industry 3573, Electronic Computing Equipment, while the remainder was shipped by plants classified in other industries.

The total cost of materials and total value of shipments of the Electronic Computing Equipment Industry include extensive duplication resulting from the intra-industry shipments of certain products by some establishments for use as materials by others. For this reason, the "primary product specialization ratio," a measure of the extent to which plants classified in an industry "specialize" in making the products regarded as primary to the industry, has not been computed precisely. The ratio, however, is between 90 and 100. Since this duplication is also included in the value of shipments shown in table 6A the coverage ratio for this industry has not been computed.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 91 percent of the total industry shipments are represented by plants specializing in product class 35731, electronic computing equipment, except parts and attachments.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments,

key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3573, there were no such establishments.

3574--CALCULATING AND ACCOUNTING MACHINES, EXCEPT ELECTRONIC COMPUTING EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing desk calculators, adding and accounting machines, cash registers, and similar equipment, except electronic computers. Establishments primarily engaged in manufacturing electronic computing equipment are classified in industry 3573; typewriters in industry 3572; and office duplicating machines and devices, autographic registers, and other office machines in industry 3579. For a detailed list of products of industry 3574, refer to table 6A, product codes 3574111 to 3574331.

Both the code number and content for this industry for 1967 were changed from the classification system used in 1963. The composition of the industry as now constituted, compared with electronic computing equipment and calculating and accounting machines were both included in industry 3571 in 1963. In 1967, industries 3573 and 3574 replaced industry 3571. The present composition of industry 3574 is calculating and accounting machines. Industry 3573 is composed of electronic computing equipment.

Value of shipments and other receipts of the Calculating and Accounting Machines Industry in 1967 totaled $708 million. This included shipments of calculating and accounting machines (primary products), valued at $532 million, shipments of other products (secondary products) valued at $95 million, and miscellaneous receipts (mainly resales) of $80 million.

This industry's shipments of calculating and accounting machines (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). Since both calculating and accounting machines and electronic computing equipment constituted industry 3571 in 1963, the specialization ratio for 1963 is not available. Secondary products shipped by this industry in 1967 consisted mainly of electronic computing equipment ($87 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 90 percent of the total industry shipments are represented by plants specializing in product class 35741, calculating and accounting machines, including cash registers, except parts and attachments.

Industry 3574 shipments of calculating and accounting machines (primary products) in 1967 represented 84 percent (coverage ratio) of these products valued at $631 million shipped by all industries. Because both calculating and accounting machines and electronic computing equipment comprised industry 3571 in 1963, the coverage ratio for 1963 is not available. Other industries shipping computing and accounting machines (primary products) consisted mainly of industry 3573, Electronic Computing Equipment, $48 million and industry 3572, Typewriters, $24 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3574, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3576--SCALES AND BALANCES, EXCEPT LABORATORY

This industry comprises establishments primarily engaged in manufacturing weighing and force measuring machines and devices of all types, except those regarded as scientific apparatus for laboratory and experimental work which are classified in industry 3811. For a detailed list of products of industry 3576, refer to table 6A, product codes 3576013 to 3576084.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Scales and Balances Industry in 1967 totaled $141 million. This included shipments of scales and balances (primary products), valued at $126 million, shipments of other products (secondary products) valued at $10 million, and miscellaneous receipts (mainly resales) of $5 million.

This industry's shipments of scales and balances (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent.

Industry 3576 shipments of scales and balances (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $131 million shipped by all industries. In 1963, the coverage ratio was 97 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3576, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

3579--OFFICE MACHINES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing office machines and devices, not elsewhere classified. Establishments primarily engaged in manufacturing computing machines are classified in industry 3573, cash registers in industry 3574, typewriters in industry 3572, and photocopy and microfilm equipment in industry 3861. For a detailed list of products of industry 3579, refer to table 6A product codes 3579111 to 3579243.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Office Machines, N.E.C., Industry in 1967 totaled $517 million. This included shipments of office machines, n.e.c. (primary products), valued at $322 million, shipments of other products (secondary products) valued at $41 million, and miscellaneous receipts (mainly resales) of $154 million.

This industry's shipments of office machines, n.e.c. (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 81 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 92 percent of the total industry shipments are represented by plants specializing in product class 35791, addressing, dictating, duplicating and other office and store machines, n.e.c., except parts and attachments.

Industry 3579 shipments of office machines, n.e.c. (primary products) in 1967 represented 77 percent (coverage ratio) of these products valued at $418 million shipped by all industries. In 1963, the coverage ratio was 81 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3579, these establishments accounted for approximately 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3572.--TYPEWRITERS														
1967 Census....	25	17	26.0	172.1	19.9	39.3	116.6	454.7	155.2	595.5	20.1	113.8	86	99
1966 ASM[1].....	(NA)	(NA)	21.9	145.3	17.0	34.7	97.1	424.1	136.4	533.9	19.6	94.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	18.6	116.6	14.0	27.3	74.2	298.3	98.6	395.6	12.5	65.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	17.7	108.8	13.4	26.2	71.3	288.2	91.8	379.4	9.1	61.3	(NA)	(NA)
1963 Census....	21	16	18.0	102.9	13.9	27.1	71.1	243.2	79.6	315.4	9.6	65.2	85	99
1962 ASM[1].....	(NA)	(NA)	17.8	96.7	14.0	27.5	69.3	206.9	79.7	290.7	10.1	55.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.5	93.8	14.8	28.7	68.1	195.8	75.4	270.5	8.3	58.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	19.1	93.0	15.3	29.7	68.1	201.2	75.5	283.0	10.3	55.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	19.7	93.6	16.1	31.3	71.6	188.7	71.8	265.4	7.4	60.8	(NA)	(NA)
1958 Census[2]...	18	13	19.8	84.5	16.3	29.7	64.6	168.9	67.7	238.2	9.9	64.4	82	99
INDUSTRY 3573.--ELECTRONIC COMPUTING EQUIPMENT														
1967 Census....	178	140	98.9	803.5	50.7	104.2	314.5	[3]1,926.4	[3]1,875.6	[3]3,770.9	117.1	985.6	([3])	([3])
INDUSTRY 3574.--CALCULATING AND ACCOUNTING MACHINES														
1967 Census....	138	51	38.4	294.4	31.3	58.6	219.8	518.2	198.2	707.8	32.6	206.8	85	84
INDUSTRIES 3573 AND 3574 (PREVIOUSLY IDENTIFIED AS SIC CODE 3571 COMPUTING AND RELATED MACHINES)														
1967 Census....	316	191	137.3	1,097.9	82.0	162.8	534.3	2,444.6	[3]2,073.8	[3]4,478.7	149.7	1,192.4	(NA)	(NA)
1966 ASM[1].....	(NA)	(NA)	136.4	1,078.3	81.3	169.6	540.2	2,264.9	[3]2,735.9	[3]4,832.8	162.4	1,227.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	115.0	907.5	68.7	141.6	458.6	1,820.9	[3]1,793.0	[3]3,352.5	144.4	1,008.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	102.8	775.7	62.7	128.8	395.6	1,476.7	[3]1,569.4	[3]3,011.4	89.1	862.2	(NA)	(NA)
1963 Census[4]...	248	139	96.4	703.2	59.0	119.5	369.5	1,286.1	[3]1,446.4	[3]2,739.5	92.6	653.5	([3])	([3])
INDUSTRY 3576--SCALES AND BALANCES														
1967 Census....	76	34	6.5	45.6	4.3	8.5	24.0	90.0	51.3	140.2	5.1	36.1	93	96
1966 ASM[1].....	(NA)	(NA)	6.7	44.9	4.5	9.4	25.5	86.9	49.2	130.7	3.0	36.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	6.5	40.6	4.2	8.6	23.0	73.0	44.2	114.7	2.0	8.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.8	36.1	3.8	7.8	20.6	62.8	36.8	100.8	1.7	22.3	(NA)	(NA)
1963 Census....	85	35	5.8	35.1	3.7	7.7	19.9	64.4	35.3	98.5	1.1	24.0	92	97
1962 ASM[1].....	(NA)	(NA)	5.2	29.1	3.4	7.0	16.5	49.8	27.7	77.7	1.0	17.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.2	28.9	3.5	7.3	16.7	49.7	26.4	74.8	0.8	17.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	5.0	26.8	3.4	7.0	15.6	48.3	24.1	70.4	1.3	15.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	5.4	27.8	3.6	7.4	16.1	50.0	29.1	80.9	*1.8	15.4	(NA)	(NA)
1958 Census[2]...	72	32	5.3	26.6	3.5	6.9	15.0	49.1	27.8	78.3	1.4	17.2	91	97
INDUSTRY 3579.--OFFICE MACHINES, N.E.C.														
1967 Census....	177	77	20.7	146.6	13.5	26.6	82.1	342.5	192.5	516.6	17.8	138.1	89	77
1966 ASM[1].....	(NA)	(NA)	19.1	130.7	13.4	26.6	77.5	311.0	174.3	466.4	*13.6	112.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	18.2	116.1	12.5	24.2	67.3	247.9	150.0	399.3	10.0	90.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	16.8	108.0	11.6	23.4	63.4	242.1	129.0	368.1	10.1	90.8	(NA)	(NA)
1963 Census....	161	75	17.0	104.1	11.6	23.0	63.3	224.7	126.7	349.2	16.3	89.8	81	81
1962 ASM[1].....	(NA)	(NA)	*19.2	*115.0	*13.2	*26.5	*67.9	*255.8	*103.1	*374.4	*7.9	*92.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.9	110.8	13.0	26.2	64.4	239.0	93.9	351.1	7.2	83.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	16.6	98.9	11.8	23.9	59.9	223.3	90.9	321.2	8.5	81.4	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	15.6	86.6	10.9	21.2	52.7	191.1	99.0	292.9	9.7	65.6	(NA)	(NA)
1958 Census[2]...	120	72	15.6	83.0	10.6	21.2	50.1	173.4	90.6	264.5	11.8	67.2	84	84

Note: In 1967, 1963, and 1958, the number of companies in industry 3572 was 20, 17, and 16, respectively; in industry 3573: 134,(NA), and (NA); industry 3574: 132, 213, and 119; industry 3576: 69, 81, and 71; industry 3579: 170, 158, and 119. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors of the 1966/1965 relatives for employment and value added were as follows: industry 3572, 1 and 1, respectively; industries 3573 and 3574 (previously industry 3571), 1 and 1, respectively; industry 3576, 5 and 6, respectively; and industry 3579, 2 and 4, respectively.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]The value of shipments and cost of materials for this industry includes extensive duplication arising from shipments between establishments in the same industry classification. Accordingly, the specialization ratios and coverage ratios are not shown. For further explanation see introductory text.

[4]Comparable data for value added by manufacture, cost of materials, and value of shipments are not available for years prior to 1963. For other items, comparable data prior to 1963 appear in Volume II, 1963 Census of Manufactures in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3572.--TYPEWRITERS								
1967 Census	6,621	76	1,977	2.97	.26	.55	17,490	38	11.58
1966 ASM	6 625	77	2,048	2.80	.26	.53	19,332	34	12.21
1965 ASM	6,272	75	1,953	2.72	.25	.54	16,045	39	10.92
1964 ASM	6,155	76	1,957	2.72	.24	.53	16,295	38	10.99
1963 Census	5,709	77	1,942	2.62	.25	.58	13,493	42	8.98
1962 ASM	5,433	79	1,961	2.52	.27	.61	11,624	47	7.51
1961 ASM	5,059	80	1,931	2.37	.28	.63	10,563	48	6.83
1960 ASM	4,867	80	1,943	2.29	.27	.60	10,532	46	6.78
1959 ASM	4,753	82	1,942	2.29	.27	.62	9,580	50	6.02
1958 Census	4,271	82	1,824	2.17	.28	.64	8,538	50	5.68
	INDUSTRY 3573.--ELECTRONIC COMPUTING EQUIPMENT								
1967 Census	8,124	51	2,057	3.02	.50	.71	19,478	42	18.49
	INDUSTRY 3574.--CALCULATING AND ACCOUNTING MACHINES								
1967 Census	7,673	81	1,874	3.75	.28	.70	13,508	57	8.85
	INDUSTRIES 3573 AND 3574 (PREVIOUSLY IDENTIFIED AS SIC CODE 3571 COMPUTING AND RELATED MACHINES)								
1967 Census	7,996	60	1,985	3.28	.46	.71	17,805	45	15.02
1966 ASM	7,903	60	2,085	3.19	.57	.79	16,605	48	13.35
1965 ASM	7,888	60	2,061	3.24	.53	.81	15,834	50	12.86
1964 ASM	7,547	61	2,055	3.07	.52	.78	14,365	53	11.46
1963 Census	7,297	61	2,026	3.09	.53	.78	13,341	55	10.76
	INDUSTRY 3576.--SCALES AND BALANCES								
1967 Census	7,003	66	1,978	2.84	.37	.69	13,810	51	10.62
1966 ASM	6,674	66	2,107	2.72	.38	.72	12,902	52	9.26
1965 ASM	6,295	65	2,048	2.69	.39	.74	11,317	56	8.53
1964 ASM	6,205	65	2,060	2.64	.36	.72	10,807	57	8.05
1963 Census	6,080	65	2,061	2.59	.36	.71	11,164	54	8.38
1962 ASM	5,623	65	2,067	2.36	.36	.73	9,625	58	7.14
1961 ASM	5,518	66	2,098	2.29	.35	.74	9,469	58	6.81
1960 ASM	5,322	68	2,050	2.23	.34	.72	9,565	56	6.89
1959 ASM	5,164	66	2,070	2.18	.36	.70	9,271	56	6.78
1958 Census	4,970	66	1,959	2.17	.36	.69	9,187	54	7.13
	INDUSTRY 3579.--OFFICE MACHINES, N.E.C.								
1967 Census	7,091	65	1,970	3.09	.37	.66	16,573	43	12.90
1966 ASM	6,838	70	1,982	2.92	.37	.65	16,273	42	11.71
1965 ASM	6,378	69	1,935	2.78	.38	.67	13,618	47	10.24
1964 ASM	6,421	69	2,022	2.71	.35	.64	14,395	45	10.36
1963 Census	6,128	68	1,980	2.75	.36	.66	13,231	46	9.77
1962 ASM	5,981	69	2,002	2.57	.28	.58	13,308	45	9.66
1961 ASM	5,875	69	2,014	2.45	.27	.58	12,669	46	9.11
1960 ASM	5,967	71	2,020	2.51	.28	.59	13,470	44	9.35
1959 ASM	5,560	70	1,948	2.49	.34	.63	12,267	45	9.03
1958 Census	5,311	68	2,003	2.36	.34	.66	11,099	48	8.17

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
UNITED STATES	25	17	26.0	172.1	19.9	39.3	116.6	454.7	155.2	595.5	20.1	18.0	243.2
NORTHEAST REGION	11	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.0	86.3
NEW JERSEY	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH CAROLINA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3573-- ELECTRONIC COMPUTING EQUIPMENT													
UNITED STATES	178	140	98.9	803.5	50.7	104.2	314.5	1 926.4	1 875.6	3 770.9	117.1	(NA)	(NA)
NORTHEAST REGION	67	57	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
NEW ENGLAND DIVISION	24	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
NEW HAMPSHIRE	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
VERMONT	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MASSACHUSETTS	18	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MIDDLE ATLANTIC DIVISION	43	39	26.5	213.6	14.9	30.3	96.3	438.8	690.7	1 118.8	22.2	(NA)	(NA)
NEW YORK	21	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
NEW JERSEY	11	9	3.2	22.6	2.2	4.5	12.6	60.5	47.5	105.1	1.9	(NA)	(NA)
PENNSYLVANIA	11	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
NORTH CENTRAL REGION	28	22	23.1	184.3	11.4	24.1	73.4	455.5	339.5	759.7	18.4	(NA)	(NA)
EAST NORTH CENTRAL DIVISION	16	11	4.3	29.9	2.7	5.6	17.5	44.0	39.4	77.0	3.7	(NA)	(NA)
MICHIGAN	7	5	2.4	19.0	1.4	2.7	9.3	27.5	29.3	49.2	2.8	(NA)	(NA)
WISCONSIN	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST NORTH CENTRAL DIVISION	12	11	18.8	154.4	8.6	18.6	55.9	411.4	300.1	682.7	14.7	(NA)	(NA)
MINNESOTA	10	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MISSOURI	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
SOUTH REGION	23	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
SOUTH ATLANTIC DIVISION	15	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MARYLAND	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
NORTH CAROLINA	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
FLORIDA	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST SOUTH CENTRAL DIVISION	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
OKLAHOMA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
TEXAS	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST REGION	60	43	31.4	272.4	14.1	29.3	88.1	549.2	523.8	1 091.8	57.9	(NA)	(NA)
MOUNTAIN DIVISION	11	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
COLORADO	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
ARIZONA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
PACIFIC DIVISION	49	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
CALIFORNIA	48	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3574-- CALCULATING & ACCOUNTING MACHINES													
UNITED STATES	138	51	38.4	294.4	31.3	58.6	219.8	518.2	198.2	707.8	32.6	(NA)	(NA)
NORTHEAST REGION	47	14	2.6	15.8	2.1	4.2	11.1	30.5	14.9	43.5	1.7	(NA)	(NA)
NEW ENGLAND DIVISION	18	6	.7	4.2	.6	1.0	2.5	9.3	6.5	14.7	.7	(NA)	(NA)
MASSACHUSETTS	10	4	.6	3.3	.4	.7	2.0	7.2	5.3	11.6	(D)	(NA)	(NA)
MIDDLE ATLANTIC DIVISION	29	8	1.9	11.6	1.6	3.2	8.6	21.2	8.4	28.8	1.0	(NA)	(NA)
NEW YORK	19	5	1.6	10.0	1.4	2.8	7.6	17.8	6.4	23.5	.9	(NA)	(NA)
NEW JERSEY[6]	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3574-- CALCULATING & ACCOUNTING MACHINES--CONTINUED													
NORTH CENTRAL REGION	34	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
EAST NORTH CENTRAL DIVISION	26	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
OHIO	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
ILLINOIS	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MICHIGAN	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WISCONSIN	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST NORTH CENTRAL DIVISION[e]	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MINNESOTA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
SOUTH REGION	20	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
SOUTH ATLANTIC DIVISION	11	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
VIRGINIA	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST SOUTH CENTRAL DIVISION	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
ARKANSAS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
WEST REGION	37	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
MOUNTAIN DIVISION[e]	4	1	.2	.9	.1	.2	.4	.8	.2	1.0	.1	(NA)	(NA)
COLORADO[e]	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
PACIFIC DIVISION	33	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
CALIFORNIA	32	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
3576-- SCALES AND BALANCES													
UNITED STATES	76	34	6.5	45.6	4.3	8.5	24.0	90.0	51.3	140.2	5.1	5.8	64.4
NORTHEAST REGION	25	11	2.7	15.8	1.8	3.6	9.8	34.9	19.1	53.1	2.1	(D)	(D)
NEW ENGLAND DIVISION	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VERMONT	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	18	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.4
NEW JERSEY	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CENTRAL REGION	29	16	3.5	26.6	2.2	4.3	12.3	49.4	27.9	77.3	2.6	(D)	(D)
EAST NORTH CENTRAL DIVISION	25	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	9	5	2.0	16.9	1.2	2.3	7.4	29.4	16.7	46.2	1.4	1.7	20.3
INDIANA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	11	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	13.0
WEST REGION[e]	17	6	.3	2.8	.2	.5	1.7	4.8	3.7	8.4	.3	(D)	(D)
PACIFIC DIVISION[e]	15	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA[e]	13	6	.3	2.6	.2	.4	1.6	4.7	3.6	8.1	(D)	.3	3.7
3579-- OFFICE MACHINES, NEC													
UNITED STATES	177	77	20.7	146.6	13.5	26.6	82.1	342.5	192.5	516.6	17.8	17.0	224.7
NORTHEAST REGION	68	31	9.2	65.3	5.9	11.8	36.3	130.8	54.2	178.9	8.2	7.5	89.0
NEW ENGLAND DIVISION	13	8	4.5	37.4	2.5	5.1	18.4	72.9	27.8	98.8	5.8	4.3	59.5
NEW HAMPSHIRE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	51.3
MIDDLE ATLANTIC DIVISION	55	23	4.7	27.9	3.4	6.7	17.9	57.9	26.4	80.1	2.4	3.2	29.5
NEW YORK	32	9	2.1	12.0	1.5	3.0	7.6	28.2	10.6	37.7	1.2	1.9	17.5
NEW JERSEY	18	11	2.1	13.1	1.6	3.2	9.2	23.3	12.2	34.6	.8	1.2	10.7
PENNSYLVANIA	5	3	.5	2.8	.3	.5	1.2	6.4	3.6	7.8	.4	.1	1.3
NORTH CENTRAL REGION	61	30	9.7	71.4	6.4	12.3	40.6	192.7	128.8	309.4	7.1	8.2	125.9
EAST NORTH CENTRAL DIVISION	50	28	9.6	70.7	6.3	12.2	40.1	191.1	128.1	307.2	7.1	(D)	(D)
OHIO	10	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	29	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	19	10	1.5	7.2	.9	1.9	3.9	14.4	6.9	21.0	2.4	(D)	(D)
SOUTH ATLANTIC DIVISION	14	10	1.4	7.1	.9	1.9	3.8	14.1	6.7	20.5	(D)	(D)	(D)
VIRGINIA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH CAROLINA	4	4	.3	1.4	.2	.4	1.0	3.3	2.0	4.8	2.0	(D)	(D)
WEST REGION	29	6	.4	2.6	.3	.5	1.3	4.7	2.6	7.3	.2	(D)	(D)
PACIFIC DIVISION	25	6	.4	2.6	.3	.5	1.3	4.6	2.5	7.1	(D)	(D)	(D)
WASHINGTON	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA[e]	19	4	.2	1.2	.1	.2	.5	2.1	1.3	3.5	.1	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

[3]Geographic data for 1963 for industries 3573, "Electronic Computing Equipment" and 3574 "Calculating and Accounting Machines" are not available.

TABLE 3. Detailed Statistics: 1967

Item	Typewriters (SIC 3572)	Electronic computing equipment (SIC 3573)	Calculating and accounting machines (SIC 3574)	Scales and balances (SIC 3576)	Office machines, n.e.c. (SIC 3579)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.86	([3])	.85	.93	.89
COVERAGE RATIO[2]	.99	([3])	.84	.96	.77
ESTABLISHMENTS, TOTAL .NUMBER	25	178	138	76	177
WITH 1 TO 19 EMPLOYEES .DO	8	38	87	42	100
WITH 20 TO 99 EMPLOYEES .DO	3	50	31	17	42
WITH 100 EMPLOYEES OR MORE .DO	14	90	20	17	35
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	26.0	98.9	38.4	6.5	20.7
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	172.1	803.5	294.4	45.6	146.6
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	19.9	50.7	31.3	4.3	13.5
MARCH .DO	19.7	50.9	31.3	4.3	13.5
MAY .DO	20.2	49.8	31.0	4.3	13.5
AUGUST .DO	20.2	49.8	31.2	4.3	13.4
NOVEMBER .DO	19.4	52.1	31.5	4.3	13.5
MAN-HOURS .MILLIONS	39.3	104.2	58.6	8.5	26.6
JANUARY-MARCH .DO	10.2	26.3	15.1	2.1	6.9
APRIL-JUNE .DO	10.6	25.2	15.0	2.1	6.8
JULY-SEPTEMBER .DO	9.1	25.3	13.7	2.1	6.2
OCTOBER-DECEMBER .DO	9.3	27.4	14.8	2.1	6.7
WAGES MILLION DOLLARS	116.6	314.5	219.8	24.0	82.1
COST OF MATERIALS, ETC., TOTAL .DO	155.2	1 875.6	198.2	51.3	192.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	146.6	1 768.1	141.3	46.9	106.2
COST OF RESALES .DO	5.4	9.9	50.1	2.5	80.8
FUELS CONSUMED .DO	1.2	2.2	1.2	.6	.9
PURCHASED ELECTRIC ENERGY .DO	1.7	9.6	1.5	.8	1.8
CONTRACT WORK .DO	.2	85.8	4.1	.5	2.9
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	595.5	3 770.9	707.8	140.2	516.6
VALUE OF RESALES .DO	6.4	11.5	69.0	3.5	146.0
VALUE ADDED BY MANUFACTURE .DO	454.7	1 926.4	518.2	90.0	342.5
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL .DO	100.0	883.7	199.2	34.5	117.7
FINISHED PRODUCTS .DO	17.0	85.8	44.0	6.2	53.1
WORK IN PROCESS .DO	70.5	675.9	122.0	20.2	43.7
MATERIALS, SUPPLIES, FUEL, ETC. .DO	12.6	122.0	33.1	8.2	21.0
END OF YEAR, TOTAL .DO	113.8	985.6	206.8	36.1	138.1
FINISHED PRODUCTS .DO	22.0	86.6	38.3	8.6	64.1
WORK IN PROCESS .DO	79.8	706.2	136.3	18.9	51.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	12.1	192.8	32.2	8.7	22.9
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	20.9	121.9	32.9	5.2	18.2
NEW PLANT AND EQUIPMENT, TOTAL .DO	20.1	117.1	32.6	5.1	17.8
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	2.6	29.8	6.1	1.6	3.9
NEW MACHINERY AND EQUIPMENT .DO	17.5	87.3	26.5	3.5	13.9
USED PLANT AND EQUIPMENT .DO	.8	4.8	.3	.1	.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]The specialization and coverage ratios are not shown for industry 3573 as the data from which these ratios are obtained include extensive duplication because the products of some establishments in the industry are consumed as materials by other establishments in the same industry.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3572-- TYPEWRITERS											
ESTABLISHMENTS, TOTAL	25	26.0	172.1	19.9	39.3	116.6	454.7	155.2	595.5	20.1	113.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	4	(Z)	(Z)	(Z)	(Z)	(Z)	.2	(Z)	.2	(Z)	(Z)
5 TO 9 EMPLOYEES[e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	3	.1	.8	.1	.2	.5	1.1	.2	1.3	(Z)	.3
20 TO 49 EMPLOYEES[e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	1	.4	1.8	.3	.7	1.5	3.1	.7	3.7	.4	.6
100 TO 249 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 TO 499 EMPLOYEES	1	1.9	12.1	1.3	2.4	6.6	35.3	8.7	44.9	.5	6.9
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	7	23.6	157.4	18.2	35.9	107.9	414.8	145.4	545.4	19.2	105.9
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3573-- ELECTRONIC COMPUTING EQUIPMENT											
ESTABLISHMENTS, TOTAL	178	98.9	803.5	50.7	104.2	314.5	1 926.4	1 875.6	3 770.9	117.1	985.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	9	(Z)	.1	(Z)	(Z)	.1	.2	.2	.4	[2]2.2	.1
5 TO 9 EMPLOYEES	6	(Z)	.4	(Z)	(Z)	.1	1.1	.3	1.2	.1	.4
10 TO 19 EMPLOYEES	23	.4	2.6	.2	.3	1.1	4.7	2.6	7.3	.3	1.0
20 TO 49 EMPLOYEES	28	.9	7.4	.5	1.0	4.0	14.6	9.3	23.3	.9	3.7
50 TO 99 EMPLOYEES	22	1.5	11.2	1.0	2.1	5.9	19.5	9.5	27.0	1.3	8.2
100 TO 249 EMPLOYEES	25	3.9	22.7	2.6	5.2	12.7	31.1	20.1	58.8	5.1	13.1
250 TO 499 EMPLOYEES	21	7.4	54.8	4.2	8.3	22.6	150.0	90.6	223.9	5.8	71.2
500 TO 999 EMPLOYEES	18	12.4	85.7	8.4	17.0	46.2	172.4	86.7	252.0	8.8	66.6
1,000 TO 2,499 EMPLOYEES	13	18.8	141.1	10.6	21.8	61.9	439.2	221.7	650.1	20.4	179.2
2,500 EMPLOYEES OR MORE	13	53.5	477.6	23.2	48.4	159.8	1 093.6	1 434.7	2 526.9	72.2	642.0
3574-- CALCULATING & ACCOUNTING MACHINES											
ESTABLISHMENTS, TOTAL	138	38.4	294.4	31.3	58.6	219.8	518.2	198.2	707.8	32.6	206.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	58	.1	.8	.1	.1	.4	2.4	1.5	3.9	[2]3.2	.9
5 TO 9 EMPLOYEES[e]	13	.1	.6	.1	.1	.3	1.5	.9	2.4	(D)	.6
10 TO 19 EMPLOYEES[e]	16	.2	1.3	.1	.3	.7	3.0	2.0	4.9	(D)	1.2
20 TO 49 EMPLOYEES[e]	23	.8	4.8	.5	.9	2.4	12.7	4.9	17.2	.8	3.9
50 TO 99 EMPLOYEES[e]	8	.6	3.8	.4	.9	2.4	7.9	5.2	12.9	.4	3.6
100 TO 249 EMPLOYEES[e]	7	1.2	6.6	.7	1.4	3.3	4.5	7.1	10.9	.3	8.0
250 TO 499 EMPLOYEES	4	1.4	8.2	1.2	2.1	5.3	23.9	9.1	31.8	1.1	6.8
500 TO 999 EMPLOYEES	3	2.0	14.5	1.6	3.3	8.7	24.1	11.3	31.5	1.5	15.1
1,000 TO 2,499 EMPLOYEES	4	32.0	253.8	26.6	49.4	196.2	438.1	156.2	592.4	25.3	166.9
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	57	.2	1.7	.2	.3	.8	5.0	2.7	7.6	.2	1.8
3576-- SCALES AND BALANCES											
ESTABLISHMENTS, TOTAL	76	6.5	45.6	4.3	8.5	24.0	90.0	51.3	140.2	5.1	36.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	26	(Z)	.3	(Z)	.1	.2	.7	.4	1.1	(Z)	.3
5 TO 9 EMPLOYEES[e]	8	.1	.5	(Z)	.1	.2	.7	.5	1.2	(Z)	.3
10 TO 19 EMPLOYEES	8	.1	.8	.1	.2	.6	1.4	1.1	2.5	.1	.5
20 TO 49 EMPLOYEES	13	.4	3.3	.3	.6	1.9	7.0	4.6	11.4	.2	2.2
50 TO 99 EMPLOYEES	4	.3	2.1	.2	.5	1.2	3.7	2.9	6.5	.2	1.1
100 TO 249 EMPLOYEES	11	2.5	16.5	1.7	3.2	8.3	39.7	22.3	61.3	2.5	13.2
250 TO 499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	3	3.1	22.1	2.0	4.0	11.7	36.8	19.7	56.3	2.0	18.7
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	26	.1	.4	.1	.1	.2	.9	.5	1.4	.1	.3
3579-- OFFICE MACHINES, NEC											
ESTABLISHMENTS, TOTAL	177	20.7	146.6	13.5	26.6	82.1	342.5	192.5	516.6	17.8	138.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	66	.1	.7	.1	.2	.5	1.9	1.1	3.0	[2].1	.7
5 TO 9 EMPLOYEES	13	.1	.5	.1	.1	.3	1.2	.8	2.0	(Z)	.3
10 TO 19 EMPLOYEES	21	.3	1.8	.2	.4	1.1	3.0	1.8	4.9	.2	1.1
20 TO 49 EMPLOYEES	28	.9	5.3	.6	1.2	3.3	9.5	6.7	15.8	.7	3.7
50 TO 99 EMPLOYEES	14	1.0	6.6	.7	1.5	4.1	14.2	5.7	19.1	2.4	5.0
100 TO 249 EMPLOYEES	16	2.5	15.1	1.8	3.6	9.0	31.9	24.0	54.3	1.2	16.4
250 TO 499 EMPLOYEES	11	3.9	24.7	2.7	5.3	13.6	48.0	23.4	67.7	2.3	17.2
500 TO 999 EMPLOYEES	5	3.7	22.7	2.4	5.0	13.8	43.6	19.0	61.4	1.0	17.6
1,000 TO 2,499 EMPLOYEES	1	8.1	69.0	4.9	9.3	36.5	189.2	110.0	288.5	10.0	76.2
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	59	.1	.8	.1	.2	.5	1.9	1.1	3.0	.1	.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2]Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3572	Typewriters.....1967..	595.5	502.9	81.4	11.2	86	508.1	502.9	5.2	99
	1963..	315.4	261.9	45.1	8.3	85	265.5	261.9	3.5	99
3573	Electronic computing equipment.....1967..	3,770.9	3,516.5	158.9	95.5	([1])	4,048.8	3,516.5	532.3	([1])
	1963..	([2])	([2])	([2])	([2])	([2])	([2])	([2])	([2])	([2])
3574	Calculating and accounting machines.....1967..	707.8	532.5	95.1	80.2	85	630.8	532.5	98.3	84
	1963..	r [2]2,739.5	r [2]2,324.2	r [2]270.2	r [2]145.1	([1])	r [2]2,468.4	r [2]2,324.2	r [2]144.2	([1])
3576	Scales and balances.....1967..	140.2	125.7	9.7	4.8	93	131.4	125.7	5.7	96
	1963..	98.5	87.2	7.3	3.9	92	90.0	87.2	2.8	97
3579	Office machines, n.e.c.....1967..	516.6	322.2	40.5	153.9	89	417.7	322.2	95.5	77
	1963..	349.2	222.7	51.0	75.5	81	275.8	222.7	53.2	81

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. rRevised.

[1]The total value of shipments of electronic computing equipment includes extensive duplication resulting from the use of products of certain establishments as materials by other establishments within the same industry. Accordingly, the specialization and coverage ratios have not been calculated.

[2]Data for 1963 for industry 3573, Electronic Computing Equipment, are combined with industry 3574, Calculating and Accounting Machines.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code		All industries	Typewriters (SIC 3572)	Electronic computing equipment (SIC 3573)	Calculating and accounting machines (SIC 3574)	Scales and balances, except laboratory (SIC 3576)	Office machines, n.e.c. (SIC 3579)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	595.5	[1]3,770.9	707.8	140.2	516.6	(X)
3572-	Typewriters.....	508.1	502.9	1.2	(Z)	-	1.3	2.7
3573-	Electronic computing equipment.....	[1]4,048.8	(2-5)	[1]3,516.5	87.2	(Z)	(under 2)	440.3
35731	Electronic computing equipment, except parts and attachments.....	3,123.9	(D)	2,735.1	87.2	(Z)	(D)	297.1
35733	Parts and attachments for electronic computing equipment	906.4	(D)	763.5	(Z)	(Z)	(D)	142.6
35730	Electronic computing equipment, n.s.k.....	18.5	-	17.9	-	-	-	0.6
3574-	Calculating and accounting machines.....	630.8	23.6	47.8	532.5	(under 2)	2.2	(20-50)
35741	Calculating and accounting machines, including cash registers, except parts and attachments.....	464.3	23.2	(D)	421.8	(D)	(D)	13.8
35743	Parts and attachments for calculating and accounting machines.....	131.7	0.4	(D)	77.1	(Z)	(D)	(D)
35740	Calculating and accounting machines, n.s.k.....	34.8	-	-	33.5	-	-	1.3
3576-	Scales and balances, except laboratory.....	131.4	-	(Z)	(under 2)	125.7	(under 2)	4.5
3579-	Office machines, n.e.c.....	417.7	(20-50)	1.2	4.2	(Z)	322.2	(50-100)
35791	Addressing, dictating, duplicating, and other office and store machines, n.e.c., except parts and attachments	333.1	(D)	(D)	(D)	-	256.8	(D)
35792	Parts and attachments for addressing, dictating, duplicating, and other office and store machines n.e.c.....	65.8	(D)	(D)	-	-	49.9	(D)
35790	Office machines, n.e.c., n.s.k.....	18.8	-	-	(D)	(Z)	15.9	(D)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

Product code	Class of products, industry and miscellaneous receipts	All industries	Typewriters (SIC 3572)	Electronic computing equipment (SIC 3573)	Calculating and accounting machines (SIC 3574)	Scales and balances, except laboratory (SIC 3576)	Office machines, n.e.c. (SIC 3579)	Other industries
	Other product shipments by 4 digit product group							
2542	Metal partitions and fixtures	(X)	-	(over 2)	-	-	-	(X)
2645	Die-cut paper and board	(X)	-	(over 2)	-	-	-	(X)
2893	Printing ink	(X)	-	-	-	-	(2-5)	(X)
3315	Steel wire and related products	(X)	-	-	-	-	5.3	(X)
3444	Sheet metalwork	(X)	-	-	-	(over 2)	-	(X)
3461	Metal stampings	(X)	-	(over 2)	-	(under 2)	(under 2)	(X)
3555	Printing trades machinery	(X)	(over 2)	(under 2)	-	-	(Z)	(X)
3581	Automatic merchandising machines	(X)	-	(over 2)	-	-	-	(X)
3611	Electric measuring instruments	(X)	-	(2-5)	-	-	-	(X)
3661	Telephone and telegraph apparatus	(X)	-	(10-20)	(under 2)	-	(Z)	(X)
3662	Radio and T.V. communication equipment	(X)	-	7.7	(over 2)	-	3.0	(X)
3673	Electron tubes, transmitting	(X)	-	(over 2)	-	-	-	(X)
3679	Electronic componets, n.e.c	(X)	-	53.7	-	(under 2)	-	(X)
3729	Aircraft equipment, n.e.c	(X)	-	(2-5)	-	-	-	(X)
3821	Mechanical measuring devices	(X)	-	(5-10)	-	(under 2)	-	(X)
3955	Carbon paper and inked ribbons	(X)	(over 2)	-	-	-	(10-20)	(X)
	Other secondary products[2]	(X)	57.8	47.3	3.7	9.7	28.7	(X)
	Miscellaneous receipts, total	(X)	11.2	95.5	80.2	4.8	153.9	(X)
93000	Contract work	(X)	1.5	3.2	2.2	0.2	1.5	(X)
99980	Sales of scrap and refuse	(X)	0.2	1.4	0.4	0.1	0.3	(X)
99980	Receipts for research and developmental work	(X)	-	50.4	7.9	-	0.3	(X)
99980	Receipts for repair work	(X)	(D)	8.3	0.5	0.8	4.0	(X)
99980	Other miscellaneous receipts	(X)	(D)	20.7	0.2	0.4	1.8	(X)
99989	Resales	(X)	6.4	11.5	69.0	3.5	146.0	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products	
3573	2522 Metal office furniture	(over 2)
3573	2645 Die-cut paper and board	(2-5)
3573	3599 Miscellaneous machinery, except electrical	(2-5)
3573	3611 Electric measuring instruments	(5-10)
3573	3662 Radio and TV communication equipment	61.7
3573	3679 Electronic components, n.e.c	(250-500)
3573	3821 Mechanical measuring devices	(2-5)
3573	3843 Dental equipment and supplies	(over 2)
3574	2542 Metal partitions and fixtures	(over 2)
3574	2599 Furniture and fixtures, n.e.c	(over 2)
3574	2782 Blankbooks and looseleaf binders	(over 2)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products--Continued	
3574	3611 Electric measuring instruments	(2-5)
3574	3662 Radio and TV communication equipment	5.6
3574	3821 Mechanical measuring devices	(2-5)
3579	2522 Metal office furniture	(over 2)
3579	2641 Coated and glazed paper	(5-10)
3579	2761 Manifold business forms	(over 2)
3579	3315 Steel wire and related products	(10-20)
3579	3552 Textile machinery	(over 2)
3579	3661 Telephone and telegraph apparatus	(over 2)
3579	3662 Radio and TV communication equipment	(over 2)
3579	3871 Watches and clocks	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The total value of shipments for the Electronic Computing Equipment Industry includes extensive duplication resulting from the use of products of some establishments in the industry as materials by others within the same industry.

[2]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3572- --	TYPEWRITERS, TOTAL	(X)	508.1	(X)	265.5
35720 --	Typewriters, including coded media, and parts and attachments produced by complete machine manufacturers:				
	As reported in the census of manufactures[1]	(X)	499.8	(X)	263.8
	As reported on Census Annual Form MA-35R and monthly Form M35C[1]	(X)	486.6	(X)	260.4
	Standard (nonportable):[2]				
35720 01	Electric	682.7	200.2	447.7	123.9
35720 03	Nonelectric	378.9	55.5	355.6	49.6
35720 05	Standard portable (including electric)	866.7	180.3	503.3	70.6
35720 12	Specialized typewriters and typewriter principle machines[3]				
	Parts and attachments for typewriters, sold separately:				
35720 40	Produced by complete machine manufacturers	(X)	50.6	(X)	16.3
35720 51	Parts and attachments for typewriters produced by other than complete machine manufacturers	(X)	4.8	(X)	1.7
35720 00	Typewriters, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	3.4	(X)	-
35720 02	Typewriters, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	0.1		
3573- --	ELECTRONIC COMPUTING EQUIPMENT, TOTAL	(X)	[4]4,048.8	(X)	[4] [5]2,468.4
	Electronic computing equipment, except parts and attachments:				
35731 00	As reported in the census of manufactures[1]	(X)	3,123.9	(X)	[5]2,338.3
	As reported on Census annual Form MA-35R	(X)	2,946.3	(X)	[5]2,309.7
	Electronic computing equipment, excluding typewriters, except parts and attachments:[6]				
	Digital:				
35731 11	General purpose	(NA)	1,905.0	(NA)	1,074.3
35731 13	All other	(NA)	67.8	(NA)	48.0
	Analog:				
35731 21	General purpose			(NA)	39.7
35731 23	All other				
	Coded (stored) media data processing machines, other than punched card, sold separately:				
35731 31	Accounting, bookkeeping, and billing machines, including cash registers, key operated	(X)	931.4	(NA)	322.3
35631 33	Adding machines				
35731 35	Calculating machines				
35731 39	Coded (stored) media data processing machines, n.e.c				
35731 41	Punched card system machines			(X)	(7)
35731 98	Other electronic computing equipment, n.e.c., including rebuilt machines	(X)	42.1	(X)	(8)
35733 --	Parts and attachments for electronic computing equipment, total	(X)	906.4	(X)	(9)
	Produced by complete machine manufacturers:				
35733 10	As reported in the census of manufactures[1]	(X)	709.8	(X)	(9)
	As reported on Census annual Form MA-35R	(X)	670.4	(X)	(10)
35733 31	Produced by other than complete machine manufacturers	(X)	196.6	(X)	(11)
35730 00	Electronic computing equipment, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	18.5	(X)	(12)
3574- --	CALCULATING AND ACCOUNTING MACHINES, TOTAL	(X)	630.8	(X)	(13)
	Calculating and accounting machines, including cash registers, except parts and attachments:				
35741 00	As reported in the census of manufactures[1]	(X)	464.3	(X)	(9)
	As reported on Census Annual Form MA-35R	(X)	(NA)	(X)	(9)
35741 11	Accounting and bookkeeping machines, including billing machines with accounting registers	(X)	(14)	(X)	[7]369.6
35741 51	Cash registers[15]				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3574- --	CALCULATING AND ACCOUNTING MACHINES--Continued				
	Calculating and accounting machines, including cash registers, except parts and attachments:--Continued As reported on Census Annual Form MA-35R--Continued				
	Adding machines:				
35741 21	10 keyboard (hand and electric)	539,697	40.4	242,511	27.6
35741 23	Full keyboard hand	22,857	1.6	34,715	2.8
35741 25	Full keyboard electric	51,613	9.7	51,149	12.1
	Calculating machines:				
35741 31	Printing calculators	93,879	34.1		
35741 33	Electronic calculating machines			119,391	53.1
35741 39	Other (including rotary hand and electric and key driven hand and electric calculating machines)	77,770	46.8		
35741 41	Coin and currency handling machines, including manual and coin-operated change-makers coin counting and sorting, currency counting and payroll denominating machines	(X)	33.6	17,404	5.8
35741 98	Other calculating and accounting machines, n.e.c., including rebuilt machines			(X)	[8]40.0
35743 --	Parts and attachments for calculating and accounting machines, total	(X)	131.7	(X)	([9])
	Produced by complete machine manufacturers:				
35743 10	As reported in the census of manufactures[1]	(X)	122.9	(X)	([9])
	As reported on Census Annual Form MA-35R	(X)	[14]394.8	(X)	[10]314.2
35743 31	Produced by other than complete machine manufacturers	(X)	8.9	(X)	[11]120.2
35740 00	Calculating and accounting machines, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	29.2		
35740 02	Calculating and accounting machines, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	5.6	(X)	[12]9.8
3576- --	SCALES AND BALANCES, TOTAL	(X)	131.4	(X)	90.0
	Scales and balances, except laboratory:				
35760 13	Motor truck scales	4.9	18.8	3.0	12.1
35760 15	Railroad track scales				
	Industrial scales:				
35760 21	Bench and portable	(X)	8.9	(X)	6.3
35760 23	Floor scales, including built-in and dormant	(X)	6.9	(X)	3.8
35760 25	Predetermined weighing and checkweighing scales all types except automatic bulk material weighers, fillers, and batching proportioners	(X)	9.9	(X)	8.7
35760 27	Automatic bulk material weighers, predetermined weight type, for weighing, filling, batching and proportioning	(X)	10.6	(X)	6.0
35760 29	Miscellaneous industrial scales, including special purpose, crane, suspension, tank, hopper, force measuring devices, and conveyor scales (weigh and feed) for bulk materials	(X)	18.7	(X)	10.2
	Retail and commercial scales:				
35760 31	Computing			(NA)	12.1
35760 35	Miscellaneous, including noncomputing counter, cotton beams and steel yards, egg-grading scales, and hanging scales for retail use	(NA)	19.6	(X)	2.5
	Household and person weighing scales:				
35760 41	Bathroom	3,719.7	13.8	3,470.0	11.0
35760 45	Person-weighing scales, (coin operated and free weighing) and miscellaneous household scales, including kitchen, baby scales, etc.	(X)	1.8	(X)	2.3
35760 51	Mailing and parcel post scales	(NA)	3.2	326.0	2.9
35760 82	Accessories and attachments (sold separately)	(X)	2.3	(X)	2.6
35760 84	Parts for scales and balances (sold for assembly elsewhere, repair, service, etc.)	(X)	8.6	(X)	5.9
35760 00	Scales and balances, n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	6.9	(X)	3.4
35760 02	Scales and balances, n.s.k. (For establishments with less than 10 employees. See Note.)	(X)	1.4		

See foonotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3579- --	OFFICE MACHINES, N.E.C., TOTAL	(X)	417.7	(X)	275.8
35791 --	Addressing, dictating, duplicating, and other office and store machines, n.e.c. except parts and attachments:				
	As reported in the census of manufactures[1]	(X)	333.1	(X)	[16]246.9
	As reported on Census annual Form MA-35R, total[1]	(X)	298.4	(X)	206.6
	Duplicating machines:				
	Spirit:				
35791 11	Hand	20.6	2.5	21.8	2.7
35791 12	Electric	38.7	37.1	14.1	4.0
35791 16	Offset			11.8	23.4
	Stencil:				
35791 13	Hand	31.2	6.7	36.8	5.6
35791 14	Electric				
35791 18	Other, including gelatin and ribbon and ink	(X)	([17])		
	Office machines, n.e.c.:				
35791 27	Autographic registers	114.7	1.7	103.9	1.8
35791 29	Dictating, transcribing, and recording machines (all media) designed as office machines, including conference recording combination dictating and telephone recording, etc.) but excluding home-type wire and tape recorders	193.2	52.7	130.1	31.1
35791 31	Check handling machines	155.3	25.0	132.1	24.5
35791 33	Time recording and time stamp machines	102.3	13.4	81.0	9.1
35791 36	Mail handling machines	570.5	72.1	(X)	104.4
35791 26	All other office machines, n.e.c.	(X)	87.1		
35792 --	Parts and attachments for addressing, dictating, duplicating, and other office and store machines n.e.c., total	(X)	65.8	(X)	[16]19.8
	Produced by complete machine manufacturers:				
	As reported in the census of manufactures[1]	(X)	59.2	(X)	([16])
	As reported on Census Annual Form MA-35R, total[1]	(X)	56.7	(X)	43.8
35792 19	Parts and attachments for duplicating machines	(X)	15.9	(X)	11.0
35792 43	Parts and attachments for office machines, n.e.c.	(X)	40.3	(X)	32.8
35792 41	Produced by other than complete machine manufacturers	(X)	6.6	(X)	19.8
35790 00	Office machines n.e.c., n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	15.7	(X)	9.1
35790 02	Office machines n.e.c., n.s.k. (For establishments with less than 10 employees. See Note.)	(X)	3.1		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

See footnotes on next page.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

FOOTNOTES FOR TABLE 6A-35F

[1]For these products, data were also collected on Annual Form MA-35R, "Office, Computing, and Accounting Machines." In lieu of asking for detailed statistics on these products in the census of manufactures, respondents were asked to report only value of shipments for specified classes of products for which separate figures had previously been collected on the annual form. In most cases, the value figures reported in the census of manufactures for each class of products agreed closely with the corresponding figures reported in the annual survey. However, there were some differences between the census figures and the annual survey figures. These variations were due primarily to the following reasons:

a. Use of different reporting periods (calendar year vs. fiscal year.)
b. Use of different bases for reporting value (company sales vs. factory production.)
c. Use of estimates in reporting data on the annual survey, whereas census of manufactures figures generally represent more exact shipments figures.

[2]Data on typewriters are also published monthly in Current Industrial Reports Series M35C, Typewriters.

[3]Includes standard portable typewriters and specialized typewriters such as specialized composing typewriters, coded media typewriters, and input/output typewriters.

[4]The total value of shipments of electronic computing equipment includes extensive duplication resulting from the use of products of some establishments in the industry as materials by others within the same industry.

[5]The 1963 data for code 3573---, Electronic Computing Equipment, Total, includes data for code 3574---, Calculating and Accounting Machines, Total. Also, 1963 data shown for code 3573100 includes data for codes 3573310, 3574100, and 3574310.

[6]Figures include in some cases the value of leased machines as well as the value of machines sold outright.

[7]The 1963 data for product code 3573141, Punched card system machines, are included with product code 3574111, Accounting and bookkeeping machines, including billing machines with accounting registers, and product code 3574151, Cash registers.

[8]The 1963 data for product code 3573198, Other electronic computing equipment, n.e.c., including rebuilt machines, are included with product code 3574198. Other calculating and accounting machines, n.e.c., including rebuilt machines.

[9]Included with product code 3573100.

[10]The 1963 data for product code 3573310, Parts and attachments for electronic computing equipment produced by complete machine manufacturers as reported on Census annual Form MA-35R, are included with product code 3574310, Parts and attachments for calculating and accounting machines produced by complete machine manufacturers as reported on Census annual Form MA-35R. Such 1963 data are also included with data shown for product code 3573100.

[11]The 1963 data for product code 3573331, Parts and attachments for electronic computing equipment produced by other than complete machine manufacturers, are included with product code 3574331, Parts and attachments for calculating and accounting machines produced by other than complete machine manufacturers.

[12]The 1963 data for electronic computing equipment, not specified by kind, are included with calculating and accounting machines, not specified by kind.

[13]Included with product code 3573---.

[14]The 1967 data for product code 3574111, Accounting and bookkeeping machines, including billing machines with accounting registers, and product code 3574151. Cash registers, are included with product code 3574310, Parts and attachments for calculating and accounting machines produced by complete machine manufacturers as reported on Census annual Form MA-35R.

[15]The number of cash registers shipped during 1967 and 1963 were 117,495 and 87,606, respectively.

[16]The 1963 data for parts and attachments produced by complete machine manufacturers were included with complete machines.

[17]Data are included with product code 35791 26 "All other office machines, n.e.c.".

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	1967 value of shipments[2]
ELECTRONIC COMPUTING EQUIPMENT (EXCLUDING PARTS AND ATTACHMENTS) (35731)	
United States	3,123.9
Northeast Region	1,275.1
New England Div	GG
New Hampshire	CC
Massachusetts	GG
Middle Atlantic Div	GG
New York	GG
New Jersey	GG
Pennsylvania	29.0
North Central Region	669.5
East North Central Div	114.7
Ohio	GG
Indiana	AA
Michigan	FF
West North Central Div	554.8
Minnesota	GG
Iowa	AA
South Region	358.3
South Atlantic Div	GG
Maryland	CC
Virginia	CC
North Carolina	GG
Florida	GG
East South Central Div	BB
Kentucky	BB
West South Central Div	FF
Oklahoma	FF
Texas	EE
West Region	821.0
Mountain Div	GG
Colorado	GG
Arizona	GG
Pacific Div	GG
California	GG
PARTS, ATTACHMENTS FOR ELECTRONIC COMPUTING EQUIPMENT (35733)	
United States	906.4
Northeast Region	495.1
New England Div	31.5
New Hampshire	AA
Vermont	BB
Massachusetts	FF
Connecticut	BB
Middle Atlantic Div	463.6
New York	GG
New Jersey	FF
Pennsylvania	73.8
North Central Region	108.7
East North Central Div	30.0
Ohio	CC
Michigan	1.2
Wisconsin	FF
PARTS, ATTACHMENTS FOR ELECTRONIC COMPUTING EQUIPMENT (35733)--Con.	
North Central Region--Con.	
West North Central Div	78.7
Minnesota	GG
Missouri	AA
South Region	65.5
South Atlantic Div	FF
North Carolina	FF
Florida	EE
East South Central Div	AA
Kentucky	AA
West South Central Div	EE
Oklahoma	BB
Texas	EE
West Region	237.1
Mountain Div	GG
Colorado	GG
Arizona	BB
Pacific Div	GG
California	GG
CALCULATING, ACCOUNTING MACHINES, CASH REGISTERS (35741)	
United States	464.3
Northeast Region	50.8
New England Div	9.1
Massachusetts	CC
Connecticut	BB
Middle Atlantic Div	41.7
New York	34.4
New Jersey	BB
Pennsylvania	BB
North Central Region	328.0
East North Central Div	328.0
Ohio	GG
Illinois	FF
Michigan	FF
Wisconsin	CC
South Region	35.1
South Atlantic Div	FF
Virginia	EE
South Carolina	CC
West South Central Div	EE
Arkansas	EE
West Region	50.4
Pacific Div	50.4
California	50.4
PARTS AND ATTACHMENTS FOR CALCULATING AND ACCOUNTING MACHINES (35743)	
United States	131.7
Northeast Region	53.4
New England Div	CC
New Hampshire	AA
Massachusetts	BB

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967—Continued

Product class and geographic area	1967 value of shipments[2]
PARTS AND ATTACHMENTS FOR CALCULATING AND ACCOUNTING MACHINES (35743)--Con.	
Northeast Region--Con.	
Middle Atlantic Div.	FF
New York	FF
Pennsylvania	BB
North Central Region	GG
East North Central Div.	GG
Ohio	GG
Michigan	EE
West North Central Div.	AA
Minnesota	AA
South Region	AA
South Atlantic Div.	1.3
West Region	AA
Pacific Div.	AA
California	AA
ADDRESSING, DICTATING, DUPLICATING, AND OTHER OFFICE MACHINES (35791)	
United States	333.1
Northeast Region	136.6
New England Div.	86.6
New Hampshire	BB
Massachusetts	19.6
Rhode Island	AA
Connecticut	GG
Middle Atlantic Div.	50.1
New York	FF
New Jersey	22.3
Pennsylvania	CC
North Central Region	147.3
East North Central Div.	GG
Ohio	GG
Indiana	AA
Illinois	68.5
Michigan	4.9
ADDRESSING, DICTATING, DUPLICATING, AND OTHER OFFICE MACHINES (35791)--Con.	
South Region	40.7
South Atlantic Div.	EE
Virginia	BB
North Carolina	BB
South Carolina	3.6
Georgia	AA
East South Central Div.	FF
Kentucky	FF
West Region	8.4
Pacific Div.	8.4
Washington	BB
California	CC
PARTS AND ATTACHMENTS FOR OFFICE MACHINES, N.E.C. (35792)	
United States	65.8
Northeast Region	31.8
New England Div.	15.1
Rhode Island	CC
Connecticut	CC
Middle Atlantic Div.	16.7
New York	9.1
New Jersey	CC
North Central Region	26.2
East North Central Div.	26.2
Ohio	FF
Illinois	AA
Michigan	AA
South Region	6.6
South Atlantic Div.	BB
South Carolina	AA
East South Central Div.	BB
Kentucky	BB
West Region	1.2
Pacific Div.	1.2
California	AA

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions in thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

[2]Comparable 1963 data are not available.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
35720	Typewriters including coded media parts, attachments	508.1	432.2	325.7	293.0	265.5	188.6	141.7	140.2
3573	Electronic computing equipment	4,048.8	[2]4,156.4	[2]2,964.2	[2]2,733.7	[2]2,468.4	(NA)	(NA)	(NA)
35731	Electronic computing equipment, except parts and attachments	3,123.9							
35733	Parts and attachments for electronic computing equipment	906.4							
35730	Electronic computing equipment n.s.k.	18.5							
3574	Calculating and accounting machines	630.8	4,156.4	2,964.2	2,733.7	2,468.4	(NA)	(NA)	(NA)
35741	Calculating and accounting machines including cash registers, except parts and attachments	464.3							
35743	Parts and attachments for calculating and accounting machines	131.7							
35740	Calculating and accounting machines, n.s.k.	34.8							
35760	Scales and balances, except laboratory	131.4	133.8	107.6	91.8	90.0	71.0	56.7	49.4
3579	Office machines, n.e.c.	417.7	395.0	312.1	296.0	275.8	211.2	159.2	110.6
35791	Addressing, dictating, duplicating, and other office and store machines, n.e.c., except parts and attachments	333.1							
35792	Parts and attachments for addressing, dictating, duplicating and other office and store machines, n.e.c.	65.8	395.0	312.1	296.0	275.8	211.2	159.2	110.6
35790	Office machines, n.e.c., n.s.k.	18.8							

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Includes products coded in industry 3574, Calculating and Accounting Machines.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967 Quantity	1967 Delivered cost (million dollars)	1963 Quantity	1963 Delivered cost (million dollars)
	INDUSTRY 3572.--TYPEWRITERS					
	Materials, parts, containers, and supplies, total		(X)	146.6	(X)	73.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			5.9	1.5
331012	Sheet and strip	...do			20.2	5.3
331017	Wire and wire products	...do			1.7	0.4
331015	Structural shapes	...do	30.0	8.7	0.8	0.3
331019	All other carbon steel mill shapes and forms	...do				
331020	Alloy steel (except stainless)	...do			0.5	0.3
331031	Stainless steel	...do			0.1	0.2
	Copper and copper-base alloy:					
335728	Bare wire (For electrical conduction only)	million lbs.	[1]	[1]	(NA)	(NA)
335790	Insulated wire and cable	million lbs. copper content	[1]	[1]	[1]	[1]
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	million lbs.	[1]	[1]	[1]	[1]
335123	Plate, sheet, and strip (including military cups and discs)	...do				
335127	Pipe and tube	...do				
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do			0.8	0.7
335202	Sheet, plate, and foil	...do	2.2	1.9	0.6	0.3
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar powder, welded tubing)	...do				
	Castings (rough and semifinished): [2]					
332300	Steel	1,000 short tons.	1.2	0.7	3.0	1.5
336100	Aluminum and aluminum-base alloy	million lbs.	1.8	1.9	4.5	3.7
	Electric motors and generators: [2]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	1,359.9	5.8	[1]	[1]
362115	Fractional horsepower electric motors (excluding timing motors)	...do			688.3	4.1
362120	Integral horsepower motors and generators (1 h.p. and over)	...do	-	-	(NA)	(NA)
	Bearings:					
356218	Ball		(X)	[1]	(X)	0.5
356201	Roller					
367010	Electron tubes, except X-ray [2]	million	[1]	[1]	[1]	[1]
367408	Solid state semiconductors [2]	...do	[1]	[1]	[1]	[1]
367901	Resistors, capacitors, transformers, sockets, and other electronic components and accessories, except solid state semiconductors		(X)	[1]	(X)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed		(X)	100.3	(X)	53.7
976000	Materials and components, n.s.k. [3]		(X)	27.3	(X)	1.5

Code	Material	Unit of measure	1967 Quantity	1967 Delivered cost (million dollars)	1967 Quantity	1967 Delivered cost (million dollars)	1963 Quantity	1963 Delivered cost (million dollars)
			INDUSTRY 3573.--ELECTRONIC COMPUTING EQUIPMENT		INDUSTRY 3574.--CALCULATING AND ACCOUNTING MACHINES		INDUSTRIES 3573 AND 3574.--COMPUTING AND RELATED MACHINES	
	Materials, parts, containers, and supplies, total		(X)	[4]1,768.1	(X)	141.3	(X)	[4]1,388.7
	Mill shapes and forms (except castings):							
	Carbon steel:							
331011	Bars and bar shapes	1,000 short tons.	1.8	0.8	(5)	(5)	11.0	3.2
331012	Sheet and strip	...do	(NA)	5.8	30.1	7.6	22.9	5.6
331015	Structural shapes	...do	(6)	(6)			1.4	0.4
331017	Wire and wire products	...do	2.9	3.6			0.2	0.3
331019	All other carbon steel mill shapes and forms	...do	[6]6.7	[6]2.1	[5]13.6	[5]4.4	2.1	0.7
331020	Alloy steel (except stainless)	...do	2.1	3.1			2.5	2.0
331031	Stainless steel	...do					0.8	1.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967				1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
			INDUSTRY 3573.--ELECTRONIC COMPUTING EQUIPMENT--Con.		INDUSTRY 3574.--CALCULATING AND ACCOUNTING MACHINES--Con.		INDUSTRIES 3573 AND 3574.--COMPUTING AND RELATED MACHINES--Con.	
	Materials, parts, containers, and supplies,--Continued							
	Mill shapes and forms (except castings)--Continued							
	Copper and copper-base alloy:							
335728	Bare wire for electrical conduction	Million lbs.	(1)	(1)	(1)	(1)	5.7	4.4
335790	Insulated wire and cable	Million lbs. (copper content)	(NA)	39.0	(1)	(1)		
335102	Rod, bar, and mechanical wire, including extruded an/or drawn shapes	Million lbs.	0.5	0.6	(1)	(1)	0.8	0.5
335123	Plate, sheet, and strip (including military cups and discs)	...do.			(1)	(1)	2.4	2.9
335127	Pipe and tube	...do.	0.1	0.1	(1)	(1)	0.3	0.3
	Aluminum and aluminum-base alloy:							
335202	Sheet, plate and foil	...do.	8.9	8.4	3.6	2.0	1.9	1.4
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do.					1.6	1.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.					0.7	0.4
	Castings (rough and semifinished):[2]							
332300	Steel	1,000 short tons.	(NA)	2.8	(1)	(1)	0.6	0.6
336100	Aluminum and aluminum-base alloy	Million lbs.	3.2	4.1	(1)	(1)	2.7	3.2
	Electric motors and generators:[2]							
	Fractional horsepower electric motors (under 1 hp.):							
362110	Timing motors, synchronous and subsynchronous	1,000	(NA)	4.7	214.3	0.5	(NA)	1.6
362115	Other fractional horsepower electric motors	...do.	(1)	(1)	(1)	(1)	353.2	7.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do.	(1)	(1)	(1)	(1)	13.0	4.1
	Bearings:							
356218	Ball	.....	(X)	4.1	(X)	(1)	(X)	3.1
356201	Roller	.....			(X)	(1)	(X)	0.2
367010	Electron tubes, except X-ray[2]	Millions	0.5	1.0	(1)	(1)	1.1	2.5
367408	Solid state semiconductors[2]	...do.	348.4	141.4	92.2	13.4	257.2	100.8
367901	Resistors, capacitors, transformers, sockets, and other electronic components and accessories, except solid state semiconductors	.....	(X)	205.7	(X)	12.2	(X)	1,215.8
357330	Parts and attachments specially designed for electronic computing equipment	.....	(X)	688.7	(X)	(1)	(X)	
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	622.6	(X)	89.4	(X)	
976000	Materials and components, n.s.k.[3]	.....	(X)	29.5	(X)	11.8	(X)	24.3

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3576.--SCALES AND BALANCES					
	Materials, parts, containers, and supplies, total	.....	(X)	46.9	(X)	32.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 Short tons.	2.0	0.5	2.1	0.5
331012	Sheet and strip	...do.	17.5	3.1	22.5	3.5
331015	Structural shapes	...do.	5.8	1.0	4.7	0.9
331017	Wire and wire products	...do.	1.7	0.4	0.1	(Z)
331019	All other carbon steel mill shapes and forms	...do.			2.1	0.5
331020	Alloy steel (except stainless)	...do.	0.6	0.9	0.1	0.1
331031	Stainless steel	...do.			0.4	0.6
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	(Z)	(Z)	(NA)	(NA)
335790	Insulated wire and cable	Million lbs copper content	(1)	(1)	(1)	(1)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	(1)	(1)	(1)	(1)
335123	Plate, sheet, and strip (including military cups and discs)	...do.				
335127	Pipe and tube	...do.				

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967 Quantity	1967 Delivered cost (million dollars)	1963 Quantity	1963 Delivered cost (million dollars)
	INDUSTRY 3576.--SCALES AND BALANCES--Continued					
	Materials, parts, containers, and supplies--Continued					
	Mill shapes and forms (except castings)--Continued					
	Aluminum and aluminum base alloy:					
335202	Sheet, plate, and foil	...do	(1)	(1)	0.4	0.4
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do				
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			(Z)	(Z)
	Castings (rough and semifinished):[2]					
332300	Steel	Short tons	0.3	0.2	0.2	0.2
336100	Aluminum and aluminum-base alloy	Million lbs	(NA)	1.8	2.4	1.6
	Electric motors and generators:[2]					
	Fractional horsepower electric motors (under 1 hp.)					
362110	Timing motors, synchronous and subsynchronous	1,000	4.1	0.4	2.6	0.1
362115	Other fractional horsepower electric motors (excluding timing motors)	...do	11.3	0.5	10.9	0.3
362120	Integral horsepower motors and generators (1 hp. and over)	...do	(NA)	0.3	(NA)	0.1
	Bearings:					
356218	Ball		(X)	0.2	(X)	0.1
356201	Roller					
367010	Electron tubes, except X-ray[2]	Million	(1)	(1)	(1)	(1)
367408	Solid state semiconductors[2]	...do	(1)	(1)	(1)	(1)
367901	Resistors, capacitors, transformers, sockets, and other electronic components and accessories, except state semiconductors		(X)	(1)	(X)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed		(X)	19.6	(X)	16.3
976000	Materials and components, n.s.k.[3]		(X)	18.0	(X)	7.0
	INDUSTRY 3579.--OFFICE MACHINES, N.E.C.					
	Materials, parts, containers, and supplies, total		(X)	06.2	(X)	77.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	2.6	0.8	4.4	1.4
331012	Sheet and strip	...do	17.3	5.2	15.3	3.8
331017	Wire and wire products	...do			5.7	2.5
331015	Structural shapes	...do	8.5	3.9	3.9	1.3
331019	All other carbon steel mill shapes and forms	...do				
331020	Alloy steel (except stainless)	...do	0.2	0.2	0.7	0.5
331031	Stainless steel	...do	0.4	0.5	0.4	0.5
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs	(1)	(1)	0.3	0.3
335790	Insulated wire and cable	Million lbs copper content	(NA)	0.3		
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(NA)	0.7	0.3	0.1
335123	Plate, sheet, and strip (including military cups and discs)	...do			0.6	0.5
335127	Pipe and tube	...do			(Z)	(Z)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	(7)	(7)	0.9	0.6
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	0.3	0.2	0.8	0.6
335209	All other aluminum mill shapes and forms	...do	[7]0.9	[7]1.6	0.9	0.9
	Castings (rough and semifinished):[2]					
332300	Steel	1,000 short tons	1.7	0.8	0.6	0.3
336100	Aluminum and aluminum-base alloy	Million lbs	(1)	(1)	1.6	1.5
	Electric motors and generators:[2]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000 short tons	313.8	2.1	50.3	0.2
362115	Fractional horsepower electric motors	...do	208.1	2.6	150.5	1.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do	-	-	(1)	(1)
	Bearings:					
356218	Ball		(X)	1.0	(X)	0.5
356201	Roller					

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3579.--OFFICE MACHINES, N.E.C.--Continued					
367010	Electron tubes except X-ray[2]	Million lbs	0.1	(Z)	0.1	0.1
367408	Solid state semiconductors[2]	...do	1.4	0.3	1.1	0.2
970099	All other materials and components, parts, containers, and supplies consumed		(X)	65.1	(X)	43.3
976000	Materials and components, n.s.k.[3]		(X)	20.9	(X)	16.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]Included with material code 970099, "All other materials, etc." to avoid disclosing figures of individual companies.

[2]No data are available for the quantities of castings, electric motors and generators, electron tubes or solid state semiconductors produced and consumed in the same establishment.

[3]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[4]Includes extensive duplication because the products of some establishments are consumed as materials by other establishments in the same industry.

[5]Data for material code 331011, carbon steel bars and bar shapes, have been included with material codes 331015 through 331031 for industry 3574, calculating and accounting machines.

[6]Data for material code 331015, carbon steel structural shapes, have been included with material code 331019, all other carbon steel mill shapes and forms, for industry 3573, Electronic Computing Equipment.

[7]Aluminum sheet, plate, and foil, code 335202, is included with code 335209 "All other aluminum mill shapes and forms."

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Item	Unit of measure	Electronic computing equipment (SIC 3573)
Cost of purchased fuels and electric energy, total	Million dollars.	11.8
Cost of purchased fuels, total	...do	2.2
Purchased electric energy:		
Quantity	Million kw.-hrs.	898.3
Cost	Million dollars.	9.6
Quantity of electric energy generated less quantity sold	Million kw.-hrs.	-
Total energy used for heat and power[1]	Million kw.-hrs. equivalent	2,065.5

Note: Detailed figurs may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3572	TYPEWRITERS										
	ENTIRE INDUSTRY	25	26.0	172.1	19.9	39.3	116.6	454.7	155.2	595.5	20.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3573	ELECTRONIC COMPUTING EQUIPMENT										
	ENTIRE INDUSTRY	178	98.9	803.5	50.7	104.2	314.5	1 926.4	1 875.6	3 770.9	117.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	153	88.9	735.7	43.2	89.2	271.5	1 752.1	1 785.9	3 524.9	109.8
35731	ELECTRONIC COMPUTING EQUIP. (EXC. PARTS ATTACH) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	78	82.2	696.4	38.7	80.4	251.9	1 710.0	1 762.4	3 446.0	103.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	62	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35733	PARTS, ATTACHMENTS FOR ELECTRONIC COMPUTING EQPT. (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	66	15.1	95.2	11.1	22.2	58.2	197.2	99.4	292.3	10.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	49	10.0	60.8	7.2	14.4	36.4	117.3	53.0	175.9	6.2
3574	CALCULATING AND ACCOUNTING MACHINES										
	ENTIRE INDUSTRY	138	38.4	294.4	31.3	58.6	219.8	518.2	198.2	707.8	32.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	128	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35741	CALCULATING, ACCOUNTING MACHINES, CASH REGISTERS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	28	34.9	276.0	28.7	54.3	210.3	472.6	168.2	634.1	26.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	20	7.6	48.7	5.8	11.5	31.4	112.7	39.9	144.6	4.6
35743	PARTS AND ATTACHMENTS FOR CALC., ACCTG. MACHINES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3576	SCALES AND BALANCES										
	ENTIRE INDUSTRY	76	6.5	45.6	4.3	8.5	24.0	90.0	51.3	140.2	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	73	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3579	OFFICE MACHINES, NEC										
	ENTIRE INDUSTRY	177	20.7	146.6	13.5	26.6	82.1	342.5	192.5	516.6	17.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	162	15.4	109.9	10.1	19.7	62.2	260.4	131.4	375.9	14.3
35791	ADDRESSING, DICT., DUPLICATING, OTHER OFFICE MACH (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	67	18.6	134.1	12.0	23.7	74.7	317.5	172.6	473.1	16.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	52	12.0	89.9	7.5	14.6	49.4	223.4	105.4	314.7	12.7
35792	PARTS AND ATTACHMENTS FOR OFFICE MACHINES, NEC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	12	.7	3.8	.5	.9	2.4	9.6	8.7	17.7	.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

SERVICE INDUSTRY MACHINES AND MACHINE SHOPS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3581--Automatic Merchandising Machines
3582--Commercial Laundry, Drycleaning, and Pressing Machines
3585--Air Conditioning Equipment and Commercial and Industrial Refrigeration Machinery and Equipment
3586--Measuring and Dispensing Pumps
3589--Service Industry Machines, Not Elsewhere Classified
3599--Miscellaneous Machinery, Except Electrical

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3581--AUTOMATIC MERCHANDISING MACHINES

This industry comprises establishments primarily engaged in manufacturing automatic merchandising units, also referred to as vending machines (excluding music, amusement, or gaming machines), and coin-operated mechanisms for such machines. For a detailed list of products of industry 3581, refer to table 6A, product codes 3581100 to 3581269.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Automatic Merchandising Machines Industry in 1967 totaled $248 million. This included shipments of automatic merchandising machines (primary products), valued at $230 million, shipments of other products (secondary products) valued at $7 million, and miscellaneous receipts (mainly resales) of $11 million.

This industry's shipments of automatic merchandising machines (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 81 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 80 percent of the total industry shipments are represented by plants specializing in product class 35811, automatic merchandising machines.

Industry 3581 shipments of automatic merchandising machines (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $261 million shipped by all industries. In 1963, the coverage ratio was 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3581, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3582--COMMERCIAL LAUNDRY, DRYCLEANING, AND PRESSING MACHINES

This industry comprises establishments primarily engaged in manufacturing laundry and drycleaning equipment and pressing machines for commercial and industrial use. Establishments primarily engaged in manufacturing household laundry equipment are classified in industry 3633. For a detailed list of products of industry 3582, refer to table 6A, product codes 3582012 to 3582091.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been slightly changed from the classification system used in 1963. The change in composition of the industry as now constituted, compared with that under the classification system followed in the 1963 Census, is due principally to the inclusion of coin-operated household washing machines in industry 3582 for 1967. In 1963, such machines were included with industry 3633.

Value of shipments and other receipts of the Commercial Laundry Equipment Industry in 1967 totaled $183 million. This included shipments of commercial laundry equipment (primary products), valued at $158 million, shipments of other products (secondary products) valued at $15 million, and miscellaneous receipts (mainly resales) of $11 million.

This industry's shipments of commercial laundry equipment (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent.

Industry 3582 shipments of commercial laundry equipment (primary products) in 1967 represented 79 percent (coverage ratio) of these products valued at $200 million shipped by all industries. In 1963, the coverage ratio was 89 percent. Other industries shipping commercial laundry equipment (primary products) consisted mainly of industry 3633, Household Laundry Equipment, $29 million.

The (lower) coverage ratio in 1967 compared with the 1963 figure primarily results from changes in the Standard Industrial Classification system as described above.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3582, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3585--AIR CONDITIONING EQUIPMENT AND COMMERCIAL AND INDUSTRIAL REFRIGERATION MACHINERY AND EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing equipment and systems utilizing the basic refrigeration cycle, including mechanical and absorption refrigerators for commercial and industrial use; refrigeration machinery; and complete air-conditioning units for domestic, commercial, and industrial use. Establishments primarily engaged in manufacturing soda fountain and beer dispensing equipment are classified in this industry, and those primarily engaged in manufacturing household refrigerators and home and farm freezers in industry 3632. For a detailed list of products of industry 3585, refer to table 6A, product codes 3585100 to 3585798.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Refrigeration Machinery Industry in 1967 totaled $3,101 million. This included shipments of refrigeration machinery (primary products), valued at $2,580 million, shipments of other products (secondary products) valued at $315 million, and miscellaneous receipts (mainly resales) of $206 million.

The total cost of materials and total value of shipments of the Refrigeration Machinery Industry include extensive duplication resulting from the intra-industry shipments of certain products by some establishments for use as materials by others. For this reason, the "primary product specialization ratio," a measure of the extent to which plants classified in an industry "specialize" in making the products regarded as primary to the industry, has not been computed precisely. The ratio, however, is between 85 and 100. Since this duplication is also included in the value of shipments, the coverage ratio for this industry has not been computed.

Industry 3585 comprises two major establishment types. One group of establishments specializes primarily in the manufacture of compressors, condensers, and other components for air-conditioning and commercial refrigeration. Many of these establishments also produce complete air-conditioning equipment as well as subassemblies for air-conditioning and commercial refrigeration equipment. These establishments also rely on other establishments for their motors and other electrical equipment.

The other major segment of industry 3585 covers the production of commercial refrigeration equipment such as walk-in and reach-in refrigerators, display cases for meat, dairy, and other food products, low temperature freezing and dispensing equipment, florist cabinets, etc. Although significant amounts of metal are consumed in the manufacture of these products, many of these items contain substantial amounts of wood, glass, and other nonmetallic materials. Some types of commercial refrigeration equipment are shipped from the factory without compressors, condensing units or refrigeration equipment. These "remote type units" are then installed at the site with the suitable refrigeration components.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 32 percent of the total industry shipments are represented by plants specializing in product class 35852 air conditioners, room and unitary; and 28 percent in 35851, heat transfer equipment, except room and unitary air conditioning.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3585, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3586--MEASURING AND DISPENSING PUMPS

This industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps commonly used in service and filling stations for dispensing gasoline, oil, and grease, including grease guns. Establishments primarily engaged in manufacturing pumps, compressors, and pumping equipment for general industrial use are classified in industry 3561. For a detailed list of products of industry 3586, refer to table 6A, product codes 3586011 to 3586098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Measuring And Dispensing Pumps Industry in 1967 totaled $175 million. This included shipments of measuring and dispensing pumps (primary products), valued at $111 million, shipments of other products (secondary products) valued at $45 million, and miscellaneous receipts (mainly resales) of $19 million.

This industry's shipments of measuring and dispensing pumps (primary products) in 1967 represented 71 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 73 percent. Secondary products shipped by this industry in 1967 consisted mainly of pumps and compressors ($16 million), valves and pipe fittings ($8 million).

Industry 3586 shipments of measuring and dispensing pumps (primary products) in 1967 represented 80 percent (coverage ratio) of these products valued at $139 million shipped by all industries. In 1963, the coverage ratio was 85 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3586, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3589--SERVICE INDUSTRY MACHINES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing machines and equipment, not elsewhere classified, for use in service industries, such as floor sanding machines, industrial vacuum cleaners, scrubbing machines, commercial cooking and food warming equipment, and commercial dishwashing machines. Establishments primarily engaged in manufacturing household electrical appliances are classified in Group 363. For a detailed list of products of industry 3589, refer to table 6A, product codes 3589111 to 3589398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Service Industry Machines, N.E.C., Industry in 1967 totaled $598 million. This included shipments of service industry machines, n.e.c. (primary products), valued at $476 million, shipments of other products (secondary products) valued at $59 million, and miscellaneous receipts (mainly resales) of $64 million.

This industry's shipments of service industry machines, n.e.c. (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments(primary and secondary). The industry specialization ratio in 1963 was 86 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 53 percent of the total industry shipments are represented by plants specializing in product class 35892, service industry machines and parts; and 33 percent in 35891, commercial cooking and food warming equipment.

Industry 3589 shipments of service industry machines, n.e.c. (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $540 million shipped by all industries. In 1963, the coverage ratio was 84 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3589, these establishments accounted for 2 percent of payroll and 2 percent of value added by manufacture.

3599--MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL

This industry comprises establishments primarily engaged in manufacturing machinery and parts except electrical, not elsewhere classified, such as pistons and piston rings, carburetors, metallic packing, and amusement park equipment. This industry also includes establishments primarily engaged in producing or repairing machine and equipment parts, not elsewhere classified, on a job or order basis for others. For a detailed list of products of industry 3599, refer to table 6A, product codes 3599111 to 3599311.

The code number as well as the definition of this industry was unchanged between 1967 and 1963. However, in 1967 a number of establishments performing "machine shop jobwork" have been classified in this industry, which had previously been classified in other industries. This change in classification results mainly from the fact that a separate product code for such work (35993 11) was introduced in the 1967 Census of Manufactures. It appears that between $400 million and $600 million in value of shipments is accounted for by establishments which have been classified in other industries in prior years.

Value of shipments and other receipts of the Miscellaneous Machinery, Except Electrical, Industry in 1967 totaled $3,712 million. This included shipments of miscellaneous machinery, except electrical (primary products), valued at $3,103 million, shipments of other products (secondary products) valued at $217 million, and miscellaneous receipts (mainly contract work on materials owned by others) of $392 million.

This industry's shipments of miscellaneous machinery, except electrical (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). Secondary products shipped by this industry in 1967 included motor vehicle parts and accessories ($51 million), and special dies, tools, jigs, and fixtures ($21 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 32 percent of the total industry shipments are represented by plants specializing in product class 35993, receipts for machine shop job work.

Industry 3599 shipments of miscellaneous machinery, except electrical (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $3,286 million shipped by all industries.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3599, these establishments accounted for 6 percent of payroll and 8 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3581.--AUTOMATIC MERCHANDISING MACHINES														
1967 Census....	150	56	10.0	59.2	7.8	14.8	39.6	140.8	122.5	248.0	5.5	77.8	97	88
1966 ASM[1].....	(NA)	(NA)	11.9	73.6	8.7	17.7	45.1	150.1	134.9	279.5	4.8	65.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	11.6	67.1	8.5	16.7	42.7	136.5	122.3	252.1	3.7	61.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	11.7	66.4	8.7	17.0	42.3	136.2	123.0	256.2	3.1	56.7	(NA)	(NA)
1963 Census....	158	68	11.7	64.8	8.4	16.8	40.4	121.4	116.9	238.0	3.5	54.0	81	90
1962 ASM[1].....	(NA)	(NA)	13.4	71.5	9.5	18.3	42.4	130.8	121.4	247.5	6.4	51.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	11.1	57.9	7.7	15.3	34.0	96.5	94.3	201.3	2.7	38.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.0	56.8	8.1	16.4	37.0	123.6	101.8	213.6	3.5	48.4	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.6	42.1	6.3	12.7	26.3	83.5	83.4	165.2	2.5	34.4	(NA)	(NA)
1958 Census[2]...	121	53	7.9	37.0	5.6	10.8	21.9	64.7	76.6	141.6	2.8	29.8	92	92
INDUSTRY 3582.--COMMERICAL LAUNDRY EQUIPMENT														
1967 Census....	117	54	7.5	50.9	5.4	11.2	32.5	96.4	85.9	183.1	4.9	41.6	92	[3]79
1966 ASM[1].....	(NA)	(NA)	7.8	51.9	5.7	12.3	32.1	102.7	90.9	190.5	4.6	44.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	7.6	47.1	5.4	11.3	28.4	94.0	81.2	172.3	2.4	40.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	6.8	39.9	4.9	10.3	25.3	78.6	69.2	147.1	1.8	33.7	(NA)	(NA)
1963 Census....	115	58	6.5	37.9	4.7	9.6	23.5	70.8	64.9	136.8	2.5	32.7	91	89
1962 ASM[1].....	(NA)	(NA)	6.3	36.1	4.3	9.2	21.6	64.6	64.2	124.7	1.3	30.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.9	32.6	4.1	8.4	20.4	61.5	55.9	119.9	2.7	26.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.9	36.9	4.7	9.3	22.1	74.7	63.3	137.3	1.3	30.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	6.8	36.4	4.8	9.7	22.2	71.0	66.4	138.0	1.5	32.4	(NA)	(NA)
1958 Census[2]...	119	47	6.6	33.0	4.5	9.2	20.2	65.6	54.1	119.5	2.0	30.5	94	95
INDUSTRY 3585.--REFRIGERATION MACHINERY														
1967 Census....	682	360	94.8	640.4	69.6	141.0	423.9	1,479.8	[4]1,682.1	[4]3,101.1	109.3	713.9	([4])	([4])
1966 ASM[1].....	(NA)	(NA)	87.7	569.3	64.7	130.6	377.5	1,235.7	[4]1,541.7	[4]2,712.6	91.6	625.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	79.8	499.1	59.5	119.5	330.5	1,055.1	[4]1,302.1	[4]2,314.3	54.0	518.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	73.3	453.2	53.4	109.4	296.0	952.6	[4]1,178.0	[4]2,111.3	35.8	436.5	(NA)	(NA)
1963 Census....	698	347	72.3	432.6	50.7	101.2	268.3	892.7	[4]1,059.9	[4]1,928.0	33.5	417.1	([4])	([4])
1962 ASM[1].....	(NA)	(NA)	62.5	367.0	44.7	90.2	225.4	676.5	[4]940.3	[4]1,610.5	32.4	345.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	62.8	349.8	44.2	86.6	212.6	608.1	[4]894.9	[4]1,501.9	37.9	337.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	65.8	361.2	46.0	91.0	217.6	674.3	[4]935.4	[4]1,549.4	31.8	341.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	69.3	377.8	47.9	95.5	224.2	733.4	[4]925.6	[4]1,641.5	26.1	325.6	(NA)	(NA)
1958 Census[2]...	625	278	67.7	342.2	46.2	90.4	204.9	598.0	[4]806.4	[4]1,441.1	23.2	290.7	([4])	([4])
INDUSTRY 3586.--MEASURING AND DISPENSING PUMPS														
1967 Census....	49	23	6.4	45.6	4.3	8.9	25.1	94.8	81.0	174.7	3.8	43.7	71	80
1966 ASM[1].....	(NA)	(NA)	8.1	57.6	5.4	11.2	31.6	121.8	96.0	206.9	11.0	49.6	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	8.1	55.9	5.2	10.7	29.0	113.2	90.4	199.7	6.0	47.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	7.3	46.6	4.9	9.7	26.0	102.8	79.0	177.9	2.7	42.2	(NA)	(NA)
1963 Census....	43	27	6.8	41.7	4.5	8.9	23.2	91.7	71.2	159.5	2.6	37.2	73	85
1962 ASM[1].....	(NA)	(NA)	6.3	38.3	4.0	7.8	19.9	81.7	66.7	143.7	2.7	33.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.6	33.6	3.6	6.9	17.2	72.0	54.6	125.9	2.4	28.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.0	34.9	3.9	7.7	18.6	71.6	54.9	124.3	3.0	30.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	6.6	38.4	4.3	8.5	20.4	79.2	66.0	141.2	1.6	34.2	(NA)	(NA)
1958 Census[2]...	32	20	6.2	32.9	3.7	7.1	16.7	64.7	53.8	119.0	2.2	28.5	75	89
INDUSTRY 3589.--SERVICE INDUSTRY MACHINES, N.E.C.														
1967 Census....	575	187	20.9	150.7	13.5	27.2	82.4	313.3	290.7	598.1	10.6	114.7	89	88
1966 ASM[1].....	(NA)	(NA)	20.2	145.5	12.6	27.3	77.3	302.1	284.2	570.8	8.6	106.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.1	119.2	10.9	23.2	63.3	246.2	233.8	473.3	7.8	82.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	14.6	96.9	9.1	18.9	50.2	197.7	183.6	380.9	*5.2	67.9	(NA)	(NA)
1963 Census....	506	142	15.3	96.8	9.5	19.4	51.3	192.4	185.1	378.3	5.3	68.7	86	84
1962 ASM[1].....	(NA)	(NA)	15.3	96.6	10.2	22.5	56.1	205.0	176.6	373.7	*6.2	58.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	13.5	82.0	8.8	19.7	46.4	181.5	149.2	332.1	3.2	50.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	12.9	75.8	8.6	18.1	45.0	153.9	143.6	300.8	3.7	48.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	11.8	66.8	8.5	16.4	39.1	138.2	128.4	260.8	*5.8	51.2	(NA)	(NA)
1958 Census[2]...	359	125	11.7	63.7	7.7	15.1	35.9	125.2	122.0	245.2	3.2	47.3	85	81
INDUSTRY 3599.--MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL														
1967 Census[5]...	15,109	2,249	202.5	1,443.1	168.8	346.2	1,092.8	2,531.2	1,198.9	3,712.0	179.1	368.6	93	94
1966 ASM[1].....	(NA)	(NA)	163.9	1,103.7	134.6	284.6	830.9	1,927.4	962.2	2,864.8	136.7	300.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	145.9	918.3	118.8	248.8	689.9	1,564.2	767.9	2,329.5	90.0	253.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	142.4	885.5	113.9	244.9	659.1	1,529.7	751.0	2,268.8	*82.4	250.7	(NA)	(NA)
1963 Census....	12,090	1,402	135.8	793.6	108.4	224.3	593.1	1,366.3	673.8	2,036.3	71.7	233.5	90	90
1962 ASM[1].....	(NA)	(NA)	139.8	772.4	114.4	224.8	567.6	1,352.0	724.2	2,055.9	*64.7	265.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	129.5	698.6	104.8	208.8	509.2	1,189.4	636.6	1,830.0	61.9	238.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	126.5	672.7	102.4	201.1	489.6	1,150.8	614.4	1,765.1	58.3	245.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	130.7	676.1	106.8	207.8	498.0	1,155.6	665.1	1,812.2	58.3	252.0	(NA)	(NA)
1958 Census[3]...	10,171	1,090	115.7	575.4	91.6	179.7	420.8	959.9	520.7	1,481.3	93.1	229.0	92	90

See footnotes on next page.

TABLE 1A. General Statistics: 1958 to 1967–Continued

Footnotes for Table 1A--35G

Note: In 1967, 1963, and 1958, the number of companies in industry 3581 was 143, 148, and 119, respectively; in industry 3582: 109, 107, and 113; industry 3585: 624, 655, and 600; industry 3586: 46, 42, and 31; industry 3589: 554, 496, and (NA); industry 3599: 15055, 12,032, and 10,098. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. * These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors of the 1966/1965 relatives for employment and value added were as follows: industry 3581, 1 and 1, respectively; industry 3582, 1 and 2, respectively; industry 3585, 1 and 1, respectively; industry 3586, 1 and 1, respectively; industry 3589, 2 and 1, respectively; and industry 3599, 2 and 1, respectively.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to these industries.

[3]The change in coverage ratio for this industry between 1963 and 1967 results largely from separately identifying coin operated washer extractor and drying tumblers for commercial laundry equipment. Most of these products are produced by establishments classified in other industries.

[4]The value of shipments and cost of materials for this industry includes extensive duplication arising from shipments between establishments in the same industry classification. Accordingly, the specialization ratios and coverage ratios are not shown. For further explanation see introductory text.

[5]In 1967 a number of establishments performing "machine shop jobwork" have been classified in this industry, which had previously been classified in other industries. This change in classification results mainly from the fact that a separate product code for such work (35993 11) was introduced in the 1967 Census of Manufactures. It appears that between $400 million and $600 million in value of shipments is accounted for by establishments which have been classified in other industries in prior years.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3581.--AUTOMATIC MERCHANDISING MACHINES								
1967 Census	5,898	78	1,896	2.67	.49	.73	14,022	42	9.51
1966 ASM	6,155	73	2,022	2.55	.48	.75	12,560	49	8.49
1965 ASM	5,808	74	1,958	2.55	.49	.75	11,821	49	8.16
1964 ASM	5,664	74	1,960	2.49	.48	.74	11,621	49	8.02
1963 Census	5,551	72	1,989	2.41	.49	.76	10,398	53	7.23
1962 ASM	5,346	71	1,928	2.32	.49	.78	9,775	55	7.15
1961 ASM	5,200	69	1.988	2.22	.47	.76	8,668	60	6.30
1960 ASM	5,171	74	2,026	2.25	.48	.74	11,245	46	7.53
1959 ASM	4,899	73	2,025	2.07	.50	.76	9,722	50	6.56
1958 Census	4,693	70	1,952	2.02	.54	.80	8,195	57	5.96
	INDUSTRY 3582.--COMMERCIAL LAUNDRY EQUIPMENT								
1967 Census	6,825	73	2,056	2.91	.47	.75	12,927	53	8.61
1966 ASM	6,674	73	2,176	2.61	.48	.75	13,202	51	8.34
1965 ASM	6,210	71	2,099	2.52	.47	.74	12,389	50	8.34
1964 ASM	5,853	72	2,088	2.46	.47	.74	11,531	51	7.63
1963 Census	5,798	71	2,058	2.44	.47	.75	10,818	54	7.37
1962 ASM	5,708	68	2,124	2.35	.51	.80	10,210	56	7.03
1961 ASM	5,547	71	2,033	2.42	.47	.74	10,469	53	7.30
1960 ASM	5,319	68	1,962	2.38	.46	.73	10,768	49	8.03
1959 ASM	5,325	69	2,031	2.30	.48	.75	10,387	51	7.36
1958 Census	5,038	69	2,029	2.19	.45	.73	9,997	50	7.11
	INDUSTRY 3585.--REFRIGERATION MACHINERY								
1967 Census	6,756	73	2,026	3.01	.54	.75	15,611	43	10.49
1966 ASM	6,490	74	2,018	2.89	.57	.78	14,087	46	9.46
1965 ASM	6,254	75	2,008	2.76	.56	.78	13,221	47	8.83
1964 ASM	6,187	73	2,048	2.71	.56	.77	13,004	48	8.71
1963 Census	5,981	70	1,998	2.65	.55	.77	12,342	48	8.82
1962 ASM	5,868	72	2,018	2.50	.58	.81	10,819	54	7.50
1961 ASM	5,571	70	1,960	2.46	.60	.83	9,684	58	7.02
1960 ASM	5,485	70	1,979	2.39	.60	.84	10,241	54	7.41
1959 ASM	5,447	69	1,994	2.35	.56	.79	10,575	52	7.68
1958 Census	5,053	68	1,955	2.27	.56	.80	8,832	57	6.62
	INDUSTRY 3586.--MEASURING AND DISPENSING PUMPS								
1967 Census	7,104	68	2,052	2.82	.46	.72	14,776	48	10.65
1966 ASM	7,119	66	2,095	2.81	.46	.74	15,053	47	10.85
1965 ASM	6,887	64	2,048	2.72	.45	.73	13,961	49	10.60
1964 ASM	6,426	68	1,983	2.67	.44	.71	14,166	45	10.56
1963 Census	6,166	66	1,981	2.60	.45	.71	13,551	46	10.29
1962 ASM	6,068	63	1,971	2.54	.46	.73	12,940	47	10.45
1961 ASM	5,967	63	1,944	2.49	.43	.70	12,779	47	10.38
1960 ASM	5,797	65	1,961	2.43	.44	.72	11,890	49	9.34
1959 ASM	5,851	66	1,976	2.40	.47	.74	12,063	49	9.32
1958 Census	5,298	60	1,895	2.35	.45	.73	10,432	51	9.11
	INDUSTRY 3589.--SERVICE INDUSTRY MACHINES, N.E.C.								
1967 Census	7,214	65	2,013	3.03	.49	.74	14,995	48	11.53
1966 ASM	7,205	63	2,157	2.83	.50	.75	14,960	48	11.08
1965 ASM	6,991	64	2,133	2.73	.49	.75	14,439	48	10.63
1964 ASM	6,631	62	2,081	2.65	.48	.74	13,519	49	10.45
1963 Census	6,347	62	2,039	2.64	.49	.75	12,609	50	9.90
1962 ASM	6,305	67	2,200	2.50	.47	.73	13,378	47	9.12
1961 ASM	6,053	65	2,243	2.35	.45	.70	13,408	45	9.20
1960 ASM	5,893	67	2,099	2.48	.48	.73	11,959	49	8.49
1959 ASM	5,681	72	1,931	2.38	.49	.75	11,743	48	8.43
1958 Census	5,451	66	1,948	2.38	.50	.76	10,707	51	8.30
	INDUSTRY 3599.--MISCELLANEOUS MACHINERY EXCEPT ELECTRICAL								
1967 Census	7,127	83	2,057	3.16	.32	.71	12,502	57	7.31
1966 ASM	6,732	82	2,114	2.92	.34	.72	11,756	57	6.77
1965 ASM	6,293	81	2,095	2.77	.33	.72	10,719	59	6.29
1964 ASM	6,220	80	2,151	2.69	.33	.72	10,744	58	6.24
1963 Census	5,843	80	2,069	2.64	.33	.72	10,060	58	6.09
1962 ASM	5,526	82	1,966	2.52	.35	.73	9,672	57	6.01
1961 ASM	5,395	81	1,993	2.44	.35	.73	9,185	59	5.70
1960 ASM	5,318	81	1,964	2.43	.35	.73	9,098	58	5.72
1959 ASM	5,173	82	1,945	2.40	.37	.74	8,842	59	5.56
1958 Census	4,975	79	1,962	2.34	.35	.74	8,300	60	5.34

Standard notes: -Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3581-- AUTOMATIC MERCHANDISING MACHINES													
UNITED STATES	150	56	10.0	59.2	7.8	14.8	39.6	140.8	122.5	248.0	5.5	11.7	121.4
NORTHEAST REGION	38	15	3.1	18.7	2.2	4.2	11.7	44.2	32.2	71.7	1.4	3.5	38.0
NEW ENGLAND DIVISION	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	33	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK [e]	14	6	.6	2.8	.5	.9	2.1	4.6	4.6	9.2	.1	.7	4.9
NEW JERSEY	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)	[2](D)
PENNSYLVANIA	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	5.2
NORTH CENTRAL REGION	61	23	5.0	31.0	4.0	7.4	21.1	74.4	71.4	137.7	3.4	6.1	63.8
EAST NORTH CENTRAL DIVISION	39	11	2.0	11.5	1.5	2.9	7.7	21.5	18.3	35.0	1.1	3.1	33.8
ILLINOIS	21	7	1.5	8.6	1.2	2.3	6.2	16.0	12.8	23.8	1.0	1.7	14.9
WISCONSIN	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	22	12	3.1	19.5	2.5	4.5	13.5	52.9	53.1	102.7	2.3	2.9	30.0
MINNESOTA	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.6
IOWA	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	7	6	2.4	15.5	1.9	3.3	10.4	44.4	46.3	87.6	(D)	2.4	26.2
SOUTH REGION	30	12	1.6	7.4	1.3	2.7	5.4	17.6	16.3	32.1	(D)	1.3	10.9
SOUTH ATLANTIC DIVISION	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	13	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	21	6	.4	2.1	.3	.5	1.3	4.6	2.5	6.6	(D)	(D)	(D)
PACIFIC DIVISION	16	5	.3	1.7	.2	.4	1.1	4.1	1.9	5.4	(D)	(D)	(D)
CALIFORNIA	16	5	.3	1.7	.2	.4	1.1	4.1	1.9	5.4	(D)	.8	8.5
3582-- COMMERCIAL LAUNDRY EQUIPMENT													
UNITED STATES	117	54	7.5	50.9	5.4	11.2	32.5	96.4	85.9	183.1	4.9	6.5	70.8
NORTHEAST REGION	40	19	2.2	14.4	1.6	3.2	9.1	27.5	25.7	54.0	1.0	1.7	19.8
NEW ENGLAND DIVISION	12	5	.6	3.9	.4	.8	2.1	6.1	4.9	11.2	.1	.5	3.7
MAINE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.6
MIDDLE ATLANTIC DIVISION	28	14	1.5	10.5	1.2	2.4	7.0	21.4	20.8	42.8	.9	1.3	16.0
NEW YORK	16	9	1.1	7.8	.8	1.7	5.4	14.3	13.6	29.0	.5	1.0	12.7
NEW JERSEY	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	32	18	3.2	24.4	2.2	4.8	15.4	41.7	36.6	78.7	1.7	3.3	31.9
EAST NORTH CENTRAL DIVISION	26	15	2.7	21.3	1.9	4.2	13.6	39.3	30.8	69.9	1.6	2.4	26.8
OHIO	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.0
ILLINOIS	15	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	15.3
WISCONSIN	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	6	3	.4	3.1	.3	.6	1.8	2.4	5.9	8.8	.1	.9	5.1
MINNESOTA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	32	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	12	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	.2
EAST SOUTH CENTRAL DIVISION	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	7.2
KENTUCKY	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	14	6	.5	3.2	.4	.8	1.8	6.9	8.2	14.9	.3	.5	5.4
LOUISIANA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	11	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.1
WEST REGION	13	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.4
MOUNTAIN DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
UTAH	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3585-- REFRIGERATION MACHINERY													
UNITED STATES	682	360	94.8	640.4	69.6	141.0	423.9	1 479.8	1 682.1	3 101.1	109.3	72.3	892.7
NORTHEAST REGION	186	93	22.3	154.5	16.1	33.0	101.9	363.7	379.4	728.3	16.7	22.2	289.8
NEW ENGLAND DIVISION	29	14	1.4	9.8	.9	1.7	5.2	19.7	21.3	40.6	.8	1.7	17.2
MASSACHUSETTS	16	9	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	8	4	.8	5.6	.5	1.0	3.3	11.1	13.4	24.5	.4	.8	7.6

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3585-- REFRIGERATION MACHINERY--CON.													
MIDDLE ATLANTIC DIVISION	157	79	20.9	144.7	15.3	31.3	96.7	344.0	358.1	687.7	16.0	20.5	272.6
NEW YORK	72	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.9	137.3
NEW JERSEY	29	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	32.9
PENNSYLVANIA	56	31	7.9	51.6	5.6	11.5	32.7	104.0	96.4	192.7	4.1	8.5	102.4
NORTH CENTRAL REGION	213	130	46.8	327.5	34.3	69.7	220.9	746.4	840.9	1 551.1	64.6	32.1	393.5
EAST NORTH CENTRAL DIVISION	159	96	36.9	259.0	27.5	55.7	179.2	603.7	705.8	1 275.8	45.6	24.8	282.9
OHIO	37	24	12.8	93.3	10.2	21.8	69.7	246.6	240.0	469.4	9.0	7.5	85.6
INDIANA	18	13	5.2	31.7	3.7	7.1	21.9	57.5	76.8	135.9	5.5	4.0	36.5
ILLINOIS	40	24	3.4	23.3	2.5	5.2	15.7	48.0	56.1	102.4	(D)	2.1	24.3
MICHIGAN	41	22	10.1	72.8	8.0	15.9	52.9	179.5	269.2	431.7	15.9	6.9	84.8
WISCONSIN	23	13	5.3	37.9	3.1	5.9	19.1	72.1	63.6	136.5	(D)	4.4	51.8
WEST NORTH CENTRAL DIVISION	54	34	9.9	68.5	6.8	13.9	41.7	142.7	135.1	275.3	19.0	7.3	110.5
MINNESOTA	18	12	4.2	28.5	3.2	6.6	18.2	75.1	69.2	142.4	4.5	2.7	40.7
IOWA	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	21	14	4.1	28.6	2.7	5.6	17.8	42.8	42.9	85.3	(D)	3.5	31.2
KANSAS	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	179	95	20.1	116.0	15.3	30.5	75.3	287.9	365.4	643.1	24.6	12.7	156.2
SOUTH ATLANTIC DIVISION	57	29	4.9	30.3	3.6	7.3	17.8	58.5	67.8	122.2	3.8	3.5	41.8
DELAWARE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MARYLAND	8	6	.8	5.2	.6	1.2	3.0	11.5	10.0	21.6	.4	(D)	(D)
VIRGINIA	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	8	6	1.4	8.4	1.0	2.0	4.7	14.7	19.0	31.9	2.1	.9	10.6
SOUTH CAROLINA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	10	4	1.0	6.5	.7	1.5	4.0	10.2	10.9	21.0	.3	.8	6.9
FLORIDA	22	6	.4	2.1	.3	.5	1.1	4.5	4.8	8.9	.1	.3	3.8
EAST SOUTH CENTRAL DIVISION	26	14	5.6	32.0	4.5	9.1	23.4	101.7	122.0	218.7	14.5	3.1	48.7
KENTUCKY	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	15	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	8.0
ALABAMA	5	5	1.6	8.3	1.3	2.5	5.6	20.8	26.6	45.3	.3	(D)	(D)
MISSISSIPPI	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	96	52	9.6	53.7	7.1	14.2	34.1	127.7	175.6	302.3	6.3	6.1	65.7
ARKANSAS	8	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	4.3
OKLAHOMA	14	9	.7	3.8	.5	1.0	2.2	6.4	10.5	16.4	.3	.8	6.2
TEXAS	72	37	8.4	47.1	6.3	12.4	30.2	115.7	155.9	270.3	5.8	4.9	55.1
WEST REGION	104	42	5.6	42.4	3.9	7.8	25.7	81.9	96.4	178.6	3.4	5.4	53.2
MOUNTAIN DIVISION	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	18.6
ARIZONA	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	14.0
PACIFIC DIVISION	92	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	34.6
CALIFORNIA	79	36	4.7	35.1	3.2	6.4	20.8	67.5	81.6	149.9	2.9	3.3	30.6
3586-- MEASURING AND DISPENSING PUMPS													
UNITED STATES	49	23	6.4	45.6	4.3	8.9	25.1	94.8	81.0	174.7	3.8	6.8	91.7
NORTHEAST REGION	12	5	.7	4.1	.5	1.0	2.9	9.7	4.7	14.5	.5	2.1	24.6
NEW ENGLAND DIVISION	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VERMONT	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	9	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.2
PENNSYLVANIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	21	13	3.8	27.9	2.7	5.4	15.4	59.7	44.9	103.2	2.3	3.7	56.2
EAST NORTH CENTRAL DIVISION	15	8	2.7	20.2	1.8	3.6	10.6	42.7	35.9	77.0	1.6	2.4	33.5
OHIO	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	6	5	1.2	7.8	.9	1.8	4.8	17.0	9.0	26.2	.7	1.4	22.7
MINNESOTA	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	10.1
SOUTH ATLANTIC DIVISION	6	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3589-- SERVICE INDUSTRY MACHINES, NEC													
NORTHEAST REGION	137	52	5.2	36.8	3.5	6.9	21.2	73.1	65.5	136.5	2.3	4.4	54.3
NEW ENGLAND DIVISION	28	12	1.5	10.9	1.0	1.9	5.4	25.0	16.4	39.6	.7	1.3	17.0
MASSACHUSETTS	16	8	1.2	8.5	.7	1.4	4.0	18.2	13.0	29.4	.4	.9	11.2
MIDDLE ATLANTIC DIVISION	109	40	3.7	25.9	2.6	5.0	15.7	48.1	49.1	96.9	1.6	3.2	37.4
NEW YORK	51	12	.9	5.7	.6	1.1	3.0	12.2	10.3	21.7	.3	.8	10.7
NEW JERSEY	29	13	1.4	11.0	1.0	2.2	7.2	17.5	17.0	34.5	.4	1.4	15.3
PENNSYLVANIA	29	15	1.4	9.1	.9	1.7	5.5	18.4	21.9	40.7	.9	.9	11.4

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3589-- SERVICE INDUSTRY MACHINES, N.E.C--CON.													
NORTH CENTRAL REGION	239	82	10.7	79.8	6.5	12.9	40.3	172.2	157.2	325.4	4.8	8.3	108.1
EAST NORTH CENTRAL DIVISION	187	63	8.2	62.0	5.0	10.0	31.7	137.9	126.9	261.0	3.6	6.4	83.8
OHIO	51	16	2.0	13.5	1.3	2.5	7.9	37.0	28.1	64.5	.5	1.5	23.3
INDIANA	18	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.6
ILLINOIS	74	34	4.5	35.3	2.5	5.1	16.5	71.0	72.2	140.4	2.1	3.8	46.7
MICHIGAN	20	5	1.0	7.2	.6	1.2	4.2	16.6	13.7	30.4	.5	.5	7.9
WISCONSIN	24	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.3
WEST NORTH CENTRAL DIVISION	52	19	2.5	17.8	1.5	3.0	8.6	34.3	30.3	64.4	1.2	1.9	24.3
MINNESOTA	19	8	1.6	12.7	.9	1.8	5.2	25.4	22.3	47.3	.8	.9	11.6
MISSOURI	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	7.0
SOUTH REGION	97	24	2.6	15.8	1.8	3.6	9.5	34.8	36.0	70.4	1.6	1.0	10.8
SOUTH ATLANTIC DIVISION	37	10	1.1	6.8	.8	1.6	4.1	15.8	16.1	31.8	.8	(D)	(D)
MARYLAND	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	16	4	.3	1.7	.2	.4	1.0	4.3	3.2	7.4	.1	.1	.9
EAST SOUTH CENTRAL DIVISION	13	4	.7	4.0	.5	.9	2.7	8.2	5.8	13.7	.5	(D)	(D)
KENTUCKY	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	47	10	.8	5.0	.5	1.1	2.6	10.9	14.1	24.9	.2	(D)	(D)
TEXAS	27	6	.6	3.5	.3	.7	1.6	7.1	7.1	14.1	.1	(D)	(D)
WEST REGION	103	30	2.7	19.9	1.9	4.1	12.6	35.8	33.6	70.3	2.1	1.5	19.1
PACIFIC DIVISION	84	27	2.5	18.8	1.8	3.9	12.1	33.6	30.2	64.9	2.0	(D)	(D)
OREGON	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	72	22	2.1	16.0	1.5	3.3	9.9	27.9	24.6	53.6	.9	1.3	17.4
UNITED STATES	576	188	21.1	152.2	13.7	27.5	83.5	315.9	292.3	602.6	10.8	15.3	192.4
3599-- MISC. MACHINERY, EXCEPT ELECTRICAL													
UNITED STATES	15 109	2 249	202.5	1 443.1	168.8	346.2	1 092.8	2 531.2	1 198.9	3 712.0	179.1	135.8	1 366.3
NORTHEAST REGION	3 988	658	53.8	381.1	45.1	93.5	288.4	654.8	292.7	945.6	50.1	34.9	324.4
NEW ENGLAND DIVISION	1 302	220	16.6	117.5	13.8	28.8	87.7	192.1	76.3	267.3	15.0	11.9	107.2
MAINE[e]	38	4	.3	1.7	.2	.5	1.3	3.0	1.9	4.8	.4	.3	1.7
NEW HAMPSHIRE	55	8	.5	3.5	.5	1.0	2.9	5.5	1.8	7.4	.4	.5	3.9
VERMONT	26	3	.2	1.1	.2	.3	.9	1.8	.9	2.7	.1	.1	1.3
MASSACHUSETTS	539	98	7.0	50.4	5.7	12.0	36.9	81.8	31.2	112.1	5.9	5.3	47.1
RHODE ISLAND	104	12	1.1	6.6	.8	1.6	5.0	11.1	3.8	15.0	.8	.8	6.8
CONNECTICUT	540	95	7.5	54.1	6.3	13.4	40.7	88.8	36.8	125.2	7.5	4.8	46.5
MIDDLE ATLANTIC DIVISION	2 686	438	37.2	263.5	31.3	64.7	200.7	462.8	216.4	678.3	35.2	23.0	217.2
NEW YORK	1 123	188	18.3	135.8	15.4	32.3	103.1	241.0	105.4	345.9	17.8	9.3	90.6
NEW JERSEY	747	88	7.1	49.9	6.0	12.5	37.9	87.1	39.4	126.2	6.2	5.6	53.7
PENNSYLVANIA	816	162	11.8	77.9	10.0	20.0	59.7	134.6	71.5	206.3	11.2	8.1	72.9
NORTH CENTRAL REGION	4 673	787	81.6	593.3	66.7	136.6	440.4	1 036.0	510.5	1 534.5	69.3	56.2	600.1
EAST NORTH CENTRAL DIVISION	3 724	639	63.1	467.4	51.4	105.4	343.8	826.0	395.4	1 213.9	51.9	44.0	482.7
OHIO	1 053	172	15.9	117.5	13.4	28.1	89.6	208.4	95.6	302.4	14.9	10.0	99.3
INDIANA	355	63	7.3	52.5	6.1	12.2	39.3	84.5	44.4	128.7	3.6	(D)	(D)
ILLINOIS	952	152	15.2	113.2	11.7	23.9	79.3	207.6	96.9	303.3	13.6	10.9	114.9
MICHIGAN	997	185	19.4	149.4	15.9	32.6	110.2	261.7	126.4	384.2	16.0	(D)	(D)
WISCONSIN	367	67	5.3	34.8	4.3	8.6	25.4	63.9	32.0	95.3	3.8	(D)	(D)
WEST NORTH CENTRAL DIVISION	949	148	18.4	125.9	15.3	31.2	96.6	210.0	115.1	320.6	17.4	12.2	117.4
MINNESOTA	283	62	4.8	35.3	4.2	8.8	27.4	58.3	26.8	85.1	6.0	3.1	29.3
IOWA	129	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	289	46	7.8	56.7	6.3	12.3	42.6	88.3	53.7	139.3	6.9	[2]6.2	59.0
SOUTH DAKOTA	18	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEBRASKA[e]	60	3	.3	1.7	.3	.5	1.4	3.4	1.8	5.2	.3	.2	1.8
KANSAS	152	23	3.7	21.8	3.1	6.5	17.5	41.5	20.8	61.4	3.4	1.7	18.6
SOUTH REGION	2 794	331	29.8	184.9	25.3	51.1	143.4	333.7	161.7	493.9	21.4	20.0	175.7
SOUTH ATLANTIC DIVISION	1 091	144	12.1	76.2	10.2	20.7	57.9	128.8	62.3	190.2	9.7	8.5	71.8
DELAWARE	23	2	.2	1.5	.2	.3	1.1	2.4	1.2	3.6	.1	.2	1.8
MARYLAND	130	22	3.3	23.8	2.6	5.6	17.1	38.3	16.2	54.1	3.0	2.3	23.8
VIRGINIA	116	19	1.2	7.5	1.0	2.1	5.8	11.8	6.7	18.2	1.1	.8	6.3
WEST VIRGINIA	85	13	.8	5.0	.7	1.3	3.8	8.2	4.8	12.9	.3	.7	5.8
NORTH CAROLINA	208	27	1.7	9.9	1.5	3.0	7.6	19.0	8.3	27.2	1.5	1.1	8.5
SOUTH CAROLINA	83	9	.6	3.5	.5	1.1	2.6	5.3	4.0	9.2	.7	.9	5.9
GEORGIA	169	19	1.5	7.8	1.3	2.5	6.3	13.2	7.6	21.2	.9	.7	5.8
FLORIDA	271	31	2.7	16.6	2.4	4.7	13.2	29.6	13.2	42.4	2.0	1.7	12.8
EAST SOUTH CENTRAL DIVISION	432	57	7.5	43.2	6.3	12.5	33.4	81.9	46.0	128.0	3.7	4.4	41.8
KENTUCKY	100	16	2.5	13.8	2.2	4.5	11.4	28.3	18.9	47.7	1.2	1.8	18.3
TENNESSEE	138	22	3.2	19.2	2.5	5.0	13.9	34.2	16.7	50.8	1.7	1.4	11.4
ALABAMA	136	12	1.1	6.2	1.0	1.9	5.0	11.9	5.7	17.5	.6	.7	7.4
MISSISSIPPI	58	7	.7	4.1	.6	1.2	3.1	7.4	4.7	12.1	.3	.5	4.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3599-- MISC. MACHINERY, EXCEPT ELECTRICAL--CONTINUED													
WEST SOUTH CENTRAL DIVISION	1 271	130	10.2	65.5	8.8	17.9	52.1	123.0	53.4	175.7	8.0	7.0	62.1
ARKANSAS	75	6	.7	3.7	.6	1.3	3.0	8.1	3.6	11.6	.2	.4	2.9
LOUISIANA	141	23	1.6	11.0	1.3	2.7	8.6	21.1	7.6	28.7	.6	1.1	10.1
OKLAHOMA	178	19	1.5	8.8	1.2	2.6	7.1	16.3	5.9	22.3	1.4	1.1	9.1
TEXAS	877	82	6.5	42.0	5.6	11.3	33.5	77.5	36.2	113.1	5.8	4.4	39.9
WEST REGION	3 654	473	37.3	283.8	31.6	65.0	220.6	506.8	234.0	738.0	38.3	24.8	265.9
MOUNTAIN DIVISION	426	45	4.2	28.2	3.6	7.2	21.9	46.9	25.2	71.7	3.9	3.2	28.2
COLORADO	110	10	1.4	9.2	1.2	2.4	7.2	14.5	8.2	22.6	1.4	1.2	10.0
NEW MEXICO	68	4	.4	2.9	.3	.7	2.2	5.6	2.8	8.4	.4	.4	4.0
ARIZONA	123	21	1.6	10.5	1.3	2.6	8.0	17.2	6.4	23.4	1.3	[2](D)	[2](D)
UTAH	45	7	.6	3.9	.5	1.0	3.0	6.4	5.9	12.2	.6	.4	2.9
PACIFIC DIVISION	3 228	428	33.1	255.6	28.1	57.8	198.7	459.8	208.8	666.3	34.4	21.6	237.9
WASHINGTON	234	29	2.7	22.0	2.3	4.5	16.7	40.0	36.7	79.3	4.2	1.5	14.7
OREGON	164	16	1.3	9.6	1.1	2.1	7.4	15.9	7.1	23.3	1.0	1.2	13.8
CALIFORNIA	2 802	381	28.8	222.6	24.5	50.9	173.6	401.2	163.6	559.6	29.1	18.7	208.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated.

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Automatic merchandising machines (SIC 3581)	Commercial laundry equipment (SIC 3582)	Refrigeration machinery (SIC 3585)	Measuring and dispensing pumps (SIC 3586)	Service industry machines, n.e.c. (SIC 3589)	Miscellaneous machinery, except electrical (SIC 3599)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.97	.92	([3])	.71	.89	.93
COVERAGE RATIO[2]	.88	.79	([3])	.80	.88	.94
ESTABLISHMENTS, TOTAL .NUMBER	150	117	682	49	575	15 109
WITH 1 TO 19 EMPLOYEES .DO	94	63	322	26	388	12 860
WITH 20 TO 99 EMPLOYEES .DO	33	35	193	9	132	2 043
WITH 100 EMPLOYEES OR MORE .DO	23	19	167	14	55	206
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	10.0	7.5	94.8	6.4	20.9	202.5
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	59.2	50.9	640.4	45.6	150.7	1 443.1
PRODUCTION WORKERS:						
AVERAGE FOR YEAR 1,000	7.8	5.4	69.6	4.3	13.5	168.8
MARCH .DO	7.8	5.5	69.7	4.6	13.3	167.0
MAY .DO	7.9	5.4	71.9	4.5	13.5	169.7
AUGUST .DO	7.9	5.4	69.1	3.9	13.8	169.6
NOVEMBER .DO	7.6	5.4	67.8	4.3	13.4	168.8
MAN-HOURS .MILLIONS	14.8	11.2	141.0	8.9	27.2	346.2
JANUARY-MARCH .DO	3.8	2.9	34.8	2.3	6.7	88.5
APRIL-JUNE .DO	3.9	2.8	36.7	2.4	6.9	86.2
JULY-SEPTEMBER .DO	3.5	2.7	34.5	1.9	6.8	84.6
OCTOBER-DECEMBER .DO	3.6	2.7	35.1	2.2	6.8	86.9
WAGES MILLION DOLLARS	39.6	32.5	423.9	25.1	82.4	1 092.8
COST OF MATERIALS, ETC., TOTAL .DO	122.5	85.9	1 682.1	81.0	290.7	1 198.9
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	112.7	75.9	1 532.5	66.9	243.4	921.7
COST OF RESALES .DO	5.4	7.2	118.0	12.2	35.9	60.1
FUELS CONSUMED .DO	.7	.4	6.8	.4	1.1	13.6
PURCHASED ELECTRIC ENERGY .DO	1.1	.7	11.1	.6	1.6	28.9
CONTRACT WORK .DO	2.6	1.6	13.8	1.0	8.8	174.6
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	248.0	183.1	3 101.1	174.7	598.1	3 712.0
VALUE OF RESALES .DO	8.3	7.9	147.9	16.8	46.6	77.9
VALUE ADDED BY MANUFACTURE .DO	140.8	96.4	1 479.8	94.8	313.3	2 531.2
MANUFACTURERS' INVENTORIES:						
BEGINNING OF YEAR, TOTAL .DO	63.9	42.3	638.6	42.7	103.6	345.3
FINISHED PRODUCTS .DO	18.7	11.0	243.4	12.4	24.1	89.6
WORK IN PROCESS .DO	25.5	9.0	190.3	19.9	39.0	162.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	19.7	22.4	204.8	10.3	40.5	93.6
END OF YEAR, TOTAL .DO	77.8	41.6	713.9	43.7	114.7	368.6
FINISHED PRODUCTS .DO	32.6	10.2	278.9	12.5	25.9	94.4
WORK IN PROCESS .DO	26.8	9.0	215.6	20.8	43.0	175.5
MATERIALS, SUPPLIES, FUEL, ETC. .DO	18.3	22.4	219.3	10.4	45.8	98.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	6.0	5.1	112.4	3.9	12.3	204.5
NEW PLANT AND EQUIPMENT, TOTAL .DO	5.5	4.9	109.3	3.8	10.6	179.1
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	1.0	2.7	40.4	.7	4.0	38.2
NEW MACHINERY AND EQUIPMENT .DO	4.5	2.2	69.0	3.1	6.6	140.9
USED PLANT AND EQUIPMENT .DO	.4	.2	3.0	.1	1.6	25.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]The specialization and coverage ratios are not shown for industry 3585 as the data from which these ratios are obtained include extensive duplication because the products of some establishments in the industry are consumed as materials by other establishments in the industry.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3581-- AUTOMATIC MERCHANDISING MACHINES											
ESTABLISHMENTS, TOTAL	150	10.0	59.2	7.8	14.8	39.6	140.8	122.5	248.0	5.5	77.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	53	.1	.5	.1	.1	.4	1.1	1.0	2.1	(Z)	.5
5 TO 9 EMPLOYEES[e]	22	.1	.9	.1	.2	.6	1.6	1.2	2.8	.1	.5
10 TO 19 EMPLOYEES	19	.3	1.4	.2	.4	.9	3.0	3.9	6.8	.1	.9
20 TO 49 EMPLOYEES	18	.6	3.3	.4	.9	2.3	6.2	5.3	11.0	.3	2.6
50 TO 99 EMPLOYEES	15	1.0	5.5	.8	1.5	3.6	9.5	6.2	15.7	.9	4.0
100 TO 249 EMPLOYEES	12	1.9	10.8	1.5	3.0	7.2	23.4	22.4	43.1	.3	13.7
250 TO 499 EMPLOYEES	7	2.6	15.5	1.9	3.6	8.5	34.8	40.7	73.9	2.3	19.8
500 TO 999 EMPLOYEES	3	3.4	21.3	2.7	5.1	16.1	61.4	41.7	92.6	1.4	35.9
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	57	.1	.7	.1	.2	.5	1.4	1.2	2.6	.1	.6
3582-- COMMERCIAL LAUNDRY EQUIPMENT											
ESTABLISHMENTS, TOTAL	117	7.5	50.9	5.4	11.2	32.5	96.4	85.9	183.1	4.9	41.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	37	.1	.4	.1	.1	.2	1.2	1.0	2.2	(Z)	.5
5 TO 9 EMPLOYEES	11	.1	.6	.1	.1	.3	1.2	1.0	2.2	(Z)	.3
10 TO 19 EMPLOYEES	15	.2	1.5	.1	.3	.8	3.0	2.6	5.5	(Z)	.7
20 TO 49 EMPLOYEES	22	.7	4.9	.5	1.1	3.1	9.5	11.1	20.6	.4	3.7
50 TO 99 EMPLOYEES	13	.9	5.0	.7	1.4	3.5	9.7	10.5	19.9	.3	3.2
100 TO 249 EMPLOYEES	12	1.8	12.6	1.3	2.7	7.6	24.0	26.7	50.6	1.3	9.7
250 TO 499 EMPLOYEES	4	3.7	26.0	2.5	5.5	16.9	48.0	33.0	82.2	2.9	23.6
500 TO 999 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	34	.1	.4	.1	.1	.3	1.2	1.1	2.2	.1	.5
3585-- REFRIGERATION MACHINERY											
ESTABLISHMENTS, TOTAL	682	94.8	640.4	69.6	141.0	423.9	1 479.8	1 682.1	3 101.1	109.3	713.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	163	.3	1.8	.3	.4	1.1	4.3	5.0	9.4	[2]8.2	1.9
5 TO 9 EMPLOYEES[e]	67	.4	2.8	.4	.6	1.7	5.6	7.3	12.8	(D)	2.4
10 TO 19 EMPLOYEES	92	1.3	9.4	.9	1.9	5.8	20.4	20.5	40.6	(D)	6.3
20 TO 49 EMPLOYEES	116	3.8	25.2	2.8	5.7	15.6	53.2	54.6	107.7	2.4	16.9
50 TO 99 EMPLOYEES	77	5.2	33.0	3.6	7.4	19.4	60.8	79.5	140.4	3.1	26.8
100 TO 249 EMPLOYEES	78	12.3	78.1	8.9	17.7	46.8	158.8	164.8	320.1	7.9	77.1
250 TO 499 EMPLOYEES	42	14.5	95.3	10.0	20.4	59.0	188.5	206.4	391.7	11.7	97.5
500 TO 999 EMPLOYEES	33	24.3	161.0	17.4	34.7	102.0	370.5	466.0	812.1	25.4	211.0
1,000 TO 2,499 EMPLOYEES	9	14.2	88.1	11.3	22.6	67.3	209.0	307.8	513.2	27.4	92.2
2,500 EMPLOYEES OR MORE	5	18.5	145.8	14.0	29.6	105.1	408.8	370.1	753.1	23.3	181.9
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	172	.4	2.7	.4	.6	1.7	6.3	7.7	13.9	.3	2.9
3586-- MEASURING AND DISPENSING PUMPS											
ESTABLISHMENTS, TOTAL	49	6.4	45.6	4.3	8.9	25.1	94.8	81.0	174.7	3.8	43.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	12	(Z)	.1	(Z)	(Z)	.1	.4	.3	.7	(Z)	.2
5 TO 9 EMPLOYEES	8	.1	.5	(Z)	.1	.3	.9	.9	1.8	(Z)	.2
10 TO 19 EMPLOYEES	6	.1	.6	.1	.1	.3	1.4	.9	2.2	.1	.4
20 TO 49 EMPLOYEES	7	.4	2.4	.3	.6	1.7	4.9	4.3	9.3	.3	1.6
50 TO 99 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	7	1.8	11.1	1.2	2.4	6.7	25.2	21.2	46.0	1.0	10.9
250 TO 499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	5	4.2	30.8	2.8	5.6	16.0	62.0	53.3	114.8	2.4	30.5
ESTABS. COVERED BY ADMIN. RECORDS[1]	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3589-- SERVICE INDUSTRY MACHINES, NEC											
ESTABLISHMENTS, TOTAL	575	20.9	150.7	13.5	27.2	82.4	313.3	290.7	598.1	10.6	114.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	228	.4	2.5	.4	.5	1.3	6.2	5.9	12.1	(Z)	2.1
5 TO 9 EMPLOYEES[e]	71	.5	3.2	.3	.6	1.8	6.5	6.4	12.8	.1	2.1
10 TO 19 EMPLOYEES	89	1.2	8.4	.8	1.6	4.8	16.6	18.1	34.4	.6	5.4
20 TO 49 EMPLOYEES	83	2.6	18.3	1.7	3.5	10.4	39.3	36.4	74.5	1.4	11.5
50 TO 99 EMPLOYEES	49	3.3	23.0	2.2	4.3	12.2	48.6	41.4	89.2	1.9	16.5
100 TO 249 EMPLOYEES	38	5.8	41.4	3.7	7.5	22.1	85.0	89.9	173.4	3.8	33.3
250 TO 499 EMPLOYEES	13	4.7	34.5	2.7	5.4	17.6	76.9	68.1	143.4	2.2	34.7
500 TO 999 EMPLOYEES	4	2.5	19.4	1.7	3.9	12.2	34.2	24.5	58.3	.5	9.1
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	228	.5	3.3	.5	.7	1.7	7.5	7.2	14.7	.1	2.7

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967–Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3599-- MISC. MACHINERY, EXCEPT ELECTRICAL											
ESTABLISHMENTS, TOTAL	15 109	202.5	1 443.1	168.8	346.2	1 092.8	2 531.2	1 198.9	3 712.0	179.1	368.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	7 893	13.3	75.5	13.2	22.8	64.3	187.7	85.3	272.9	[2]8.4	20.2
5 TO 9 EMPLOYEES	2 563	17.2	115.0	15.4	30.0	96.0	214.0	81.9	294.9	15.4	16.2
10 TO 19 EMPLOYEES	2 404	33.0	229.7	27.6	56.1	179.0	390.2	151.6	538.6	28.9	29.6
20 TO 49 EMPLOYEES	1 630	48.9	355.7	40.9	85.5	268.1	596.6	256.1	847.0	44.3	58.7
50 TO 99 EMPLOYEES	413	28.0	208.2	23.1	50.1	156.9	352.2	168.4	518.1	26.3	48.8
100 TO 249 EMPLOYEES	150	22.6	160.9	18.1	38.7	116.9	295.6	164.9	455.4	21.8	59.3
250 TO 499 EMPLOYEES	33	11.6	82.1	9.6	20.3	60.8	132.9	80.1	213.2	9.2	35.9
500 TO 999 EMPLOYEES	12	7.9	57.9	5.1	10.4	35.1	96.1	63.0	162.9	4.7	31.5
1,000 TO 2,499 EMPLOYEES	9	20.1	158.2	15.8	32.4	115.8	265.8	147.8	409.2	20.1	68.6
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	7 568	15.1	80.7	15.1	25.5	67.8	192.7	90.3	283.1	8.9	22.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments: Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Value of primary product shipments: Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3581	Automatic merchandising machines.....1967..	248.0	230.5	6.9	10.7	97	261.2	230.5	30.7	88
	1963..	238.0	186.9	44.0	7.0	81	206.6	186.9	19.6	90
3582	Commercial laundry equipment.....1967..	183.1	157.8	14.6	10.6	92	199.6	157.8	41.8	[1]79
	1963..	136.8	115.8	11.9	9.0	91	129.6	115.8	13.8	[1]89
3585	Refrigeration machinery.....1967..	3,101.1	2,580.5	314.9	205.7	([2])	3,469.0	2,580.5	888.5	([2])
	1963..	1,928.0	1,588.5	193.8	145.7	([2])	2,104.6	1,588.5	516.2	([2])
3586	Measuring and dispensing pumps.....1967..	174.7	111.5	44.5	18.7	71	139.3	111.5	27.8	80
	1963..	159.5	102.5	38.2	18.8	73	121.0	102.5	18.5	85
3589	Service industry machines, n.e.c.....1967..	598.1	475.5	58.6	64.0	89	539.8	475.5	64.3	88
	1963..	378.3	288.0	46.4	43.9	86	341.5	288.0	53.5	84
3599	Miscellaneous machinery, except electrical.1967..	3,712.0	3,103.4	216.8	391.8	93	3,286.1	3,103.4	182.7	94
	1963..	([3])	([3])	([3])	([3])	([3])	([3])	([3])	([3])	([3])

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]See table 1A, footnote [3].

[2]The total value of shipments of refrigeration machinery includes extensive duplication resulting from the use of products of certain establishments as materials by others within the same industry. Accordingly, the specialization and coverage ratios have not been calculated.

[3]Not comparable with 1967 data due to differences in the manner in which the data were collected. In 1963, product code 3599311, machine shop jobwork, was not separately listed. This type of work was included as "All other machine shop products" by some establishments, and as contract and commission work by many establishments including a large number classified in other industries. (See also table 1A, footnote 5)

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Automatic merchandising machines (SIC 3581)	Commercial laundry equipment (SIC 3582)	Refrigeration machinery (SIC 3585)	Measuring and dispensing pumps (SIC 3586)	Service industry machines, n.e.c. (SIC 3589)	Miscellaneous machinery, except electrical (SIC 3599)	Other industries
	Total shipments and miscellaneous receipts	(X)	248.0	183.1	[1]3,101.1	174.7	598.1	3,712.0	(X)
3581-	Automatic merchandising machines	261.2	230.5	(under 2)	(2-5)	-	(under 2)	-	25.2
35811	Automatic merchandising machines	198.3	170.4	(D)	(D)	-	(D)	-	23.5
35812	Coin-operated mechanisms and parts for automatic merchandising machines	45.5	42.7	(D)	(D)	-	(D)	-	1.7
35810	Automatic merchandising machines, n.s.k.	17.4	17.4	-	-	-	(Z)	-	(Z)
3582-	Commercial laundry equipment	199.6	(under 2)	157.8	(under 2)	-	(under 2)	(Z)	40.4
3585-	Refrigeration machinery	[1]3,469.0	2.0	-	[1]2,580.5	-	8.1	(Z)	878.4
35851	Heat transfer equipment, except room and unitary air conditioners	918.5	(D)	-	632.4	-	(D)	-	(D)
35852	Air conditioners, room and unitary	1,068.1	-	-	759.7	-	-	-	308.4
35853	Commercial refrigeration equipment	341.5	(D)	-	305.4	-	(D)	-	(D)
35854	Compressors and compressor units, all refrigerants	494.5	-	-	337.5	-	-	-	157.0
35855	Condensing units, all refrigerants	73.3	-	-	71.8	-	-	-	1.5
35857	Other refrigeration and air-conditioning equipment, including soda fountain and beer dispensing equipment	484.9	-	-	386.5	-	(D)	(Z)	(D)
35850	Refrigeration machinery, n.s.k.	88.2	-	-	87.1	-	-	-	1.1
3586-	Measuring and dispensing pumps	139.3	-	-	-	111.5	(Z)	(Z)	27.8
3589-	Service industry machines, n.e.c.	539.8	(under 2)	(under 2)	1.5	-	475.5	-	60.2
35891	Commercial cooking and food warming equipment	158.2	(D)	(D)	(D)	-	145.0	-	12.1
35892	Service industry machines and parts	305.3	(D)	(D)	(D)	-	263.0	-	39.4
35893	Commercial and industrial vacuum cleaners, including parts and attachments	26.0	-	(Z)	-	-	17.7	-	8.3
35890	Service industry machines, n.e.c., n.s.k.	50.3	-	-	-	-	49.9	-	0.4
3599-	Miscellaneous machinery, except electrical	3,286.1	-	-	(under 2)	(under 2)	-	3,103.4	181.8
35991	Carburetors (new), pistons and piston rings, and valves	499.9	-	-	-	-	-	451.0	48.9
35992	All other machine shop products, including flexible metal hose and tubing and metal bellows	863.0	-	-	-	(D)	-	782.1	(D)
35993	Receipts for machine shop job work	1,080.0	-	-	(D)	(D)	-	1,036.7	(D)
35990	Miscellaneous machinery, except electrical, n.s.k.	843.2	-	-	-	-	-	833.5	9.7
	Other product shipments by 4-digit product group								
1929	Ammunitions, except for small arms, n.e.c.	(X)	-	(over 2)	-	-	-	(10-20)	(X)
1931	Tanks and tank components	(X)	-	-	(5-10)	-	-	(under 2)	(X)
2542	Metal partitions and fixtures	(X)	-	-	6.0	-	(2-5)	(under 2)	(X)
3079	Miscellaneous plastics products	(X)	-	-	-	-	(under 2)	(2-5)	(X)
3293	Gaskets and insulations	(X)	-	-	(under 2)	-	-	(over 2)	(X)
3317	Steel pipe and tubes	(X)	-	-	-	-	-	(10-20)	(X)
3321	Gray iron castings	(X)	-	-	(under 2)	-	(under 2)	4.9	(X)
3361	Aluminum castings	(X)	-	-	(under 2)	-	-	3.9	(X)
3433	Heating equipment, except electric	(X)	-	(under 2)	93.9	(under 2)	-	-	(X)
3443	Fabricated platework (boiler shop products)	(X)	-	(under 2)	22.3	(under 2)	(under 2)	(2-5)	(X)
3444	Sheet metalwork	(X)	(under 2)	-	5.0	-	(under 2)	0.3	(X)
3451	Screw machine products	(X)	-	-	(under 2)	(over 2)	-	(under 2)	(X)
3461	Metal stampings	(X)	-	-	(under 2)	(under 2)	(2-5)	1.7	(X)
3494	Valves and pipe fittings	(X)	-	-	(over 2)	7.7	-	5.1	(X)
3531	Construction machinery	(X)	-	-	-	-	(under 2)	2.1	(X)
3534	Elevators and moving stairways	(X)	-	-	-	(5-10)	-	(under 2)	(X)
3541	Machine tools, metal-cutting types	(X)	-	-	(over 2)	-	-	8.2	(X)
3544	Special dies, tools, jigs, and fixtures	(X)	-	-	-	(under 2)	(under 2)	21.2	(X)
3545	Machine tool accessories	(X)	-	-	-	-	-	4.7	(X)
3551	Food products machinery	(X)	-	(under 2)	2.3	-	3.9	0.6	(X)
3559	Special industry machinery, n.e.c.	(X)	-	-	(under 2)	(under 2)	1.3	(2-5)	(X)
3561	Pumps and compressors	(X)	-	-	(under 2)	15.8	(5-10)	(10-20)	(X)
3564	Blowers and fans	(X)	-	(under 2)	5.6	-	(under 2)	-	(X)
3566	Power transmission equipment	(X)	-	-	(under 2)	-	-	2.5	(X)
3569	General industrial machinery, n.e.c.	(X)	-	(5-10)	0.6	(2-5)	(5-10)	2.9	(X)
3573	Electronic computing equipment	(X)	-	-	-	-	-	(2-5)	(X)
3632	Household refrigerators and freezers	(X)	-	-	2.9	-	-	-	(X)
3639	Household appliances, n.e.c.	(X)	(under 2)	-	(10-20)	-	-	-	(X)
3651	Radio and TV receiving sets	(X)	-	-	(over 2)	-	-	-	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Automatic merchandising machines (SIC 3581)	Commercial laundry equipment (SIC 3582)	Refrigeration machinery (SIC 3585)	Measuring and dispensing pumps (SIC 3586)	Service industry machines, n.e.c. (SIC 3589)	Miscellaneous machinery, except electrical (SIC 3599)	Other industries
3694	Engine electrical equipment	(X)	-	-	-	-	-	(over 2)	(X)
3714	Motor vehicle parts and accessories	(X)	-	-	39.7	(under 2)	(under 2)	51.2	(X)
3722	Aircraft engines and engine parts	(X)	-	-	-	-	-	(over 2)	(X)
3811	Engineering and scientific instruments	(X)	-	-	-	-	(2-5)	(under 2)	(X)
3821	Mechanical measuring devices	(X)	-	(over 2)	-	(under 2)	(under 2)	(2-5)	(X)
3822	Automatic temperature controls	(X)	-	-	(under 2)	-	-	(over 2)	(X)
3841	Surgical and medical instruments	(X)	-	-	-	-	(5-10)	-	(X)
3962	Artificial flowers	(X)	-	-	-	-	-	(over 2)	(X)
	Other secondary products[2]	(X)	4.9	14.6	135.1	21.0	45.3	107.5	(X)
	Miscellaneous receipts, total	(X)	10.7	10.6	205.7	18.7	64.0	391.8	(X)
93000	Contract work	(X)	1.2	0.7	7.3	(D)	3.9	274.8	(X)
99989	Resales	(X)	8.3	7.9	147.9	16.8	46.6	77.9	(X)
99980	Sales of scrap and refuse	(X)	0.1	0.2	8.3	(X)	0.5	5.9	(X)
99980	Receipts for installation (or construction) of products of this establishment	(X)	0.1	0.7	3.6	(D)	2.7	3.4	(X)
99980	Receipts for research and development	(X)	-	-	0.2	-	-	3.0	(X)
99980	Receipts for repair work	(X)	0.3	0.5	23.2	1.4	9.1	17.6	(X)
99980	Other miscellaneous receipts	(X)	0.6	0.6	15.2	0.3	1.3	9.1	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary product	
3581	3573 Electronic computing equipment	(over 2)
3581	3651 Radio and TV receiving sets	(10-20)
3582	3632 Household refrigerators and freezers	(5-10)
3582	3633 Household laundry equipment	29.0
3585	3429 Hardware, n.e.c.	(5-10)
3585	3433 Heating equipment, except electric	110.8
3585	3444 Sheet metalwork	9.7
3585	3494 Valves and pipe fittings	19.0
3585	3531 Construction machinery	(over 2)
3585	3551 Food products machinery	4.2
3585	3553 Woodworking machinery	(over 2)
3585	3564 Blowers and fans	5.4
3585	3569 General industrial machinery, n.e.c.	(5-10)
3585	3621 Motors and generators	(5-10)
3585	3631 Household cooking equipment	(5-10)
3585	3632 Household refrigerators and freezers	461.1
3585	3633 Household laundry equipment	(over 2)
3585	3634 Electric housewares and fans	(10-20)
3585	3639 Household appliances, n.e.c.	(over 2)
3585	3711 Motor vehicles	(over 2)
3585	3714 Motor vehicle parts and accessories	(100-200)
3585	3729 Aircraft equipment, n.e.c.	(20-50)
3585	3742 Railroad and street cars	(over 2)
3586	3494 Valves and pipe fittings	(2-5)
3586	3533 Oilfield machinery	(over 2)
3586	3548 Metalworking machinery, n.e.c.	(over 2)
3586	3559 Special industry machinery, n.e.c.	(over 2)
3586	3561 Pumps and compressors	5.6
3586	3729 Aircraft equipment, n.e.c.	(over 2)
3589	2531 Public building furniture	(over 2)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary product--Continued	
3589	3443 Fabricated platework (boiler shop products)	(2-5)
3589	3532 Mining machinery	(over 2)
3589	3535 Conveyors and conveying equipment	(10-20)
3589	3548 Metalworking machinery, n.e.c.	(2-5)
3589	3561 Pumps and compressors	6.8
3589	3564 Blowers and fans	(2-5)
3589	3631 Household cooking equipment	(over 2)
3589	3634 Electric housewares and fans	(2-5)
3589	3821 Mechanical measuring devices	(over 2)
3599	2599 Furniture and fixtures, n.e.c.	2.8
3599	3079 Miscellaneous plastics products	2.6
3599	3293 Gaskets and insulations	(5-10)
3599	3312 Blast furnace and steel mill products	(2-5)
3599	3352 Rolled and drawn aluminum	(over 2)
3599	3443 Fabricated platework (boiler shop products)	5.6
3599	3494 Valves and pipe fittings	6.4
3599	3519 Internal combustion	(2-5)
3599	3522 Farm machinery	2.3
3599	3541 Machine tools; metal-cutting types	2.6
3599	3544 Special dies, tools, jigs, and fixtures	6.9
3599	3548 Metalworking machinery, n.e.c.	(2-5)
3599	3559 Special industry machinery, n.e.c.	3.6
3599	3561 Pumps and compressors	10.8
3599	3565 Industrial patterns	3.9
3599	3569 General industrial machinery, n.e.c.	9.4
3599	3624 Carbon and graphite products	(over 2)
3599	3644 Noncurrent carrying wiring devices	(over 2)
3599	3694 Engine electrical equipment	(20-50)
3599	3714 Motor vehicle parts and accessories	11.7
3599	3731 Ship building and repairing	(2-5)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. Data shown parenthetically are ranges expressed in millions of dollars.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The total value of shipments of refrigeration machinery includes extensive duplication resulting from the use of products of some establishments in the industry as materials by others within the same industry.

[2]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3581- --	AUTOMATIC MERCHANDISING MACHINES, TOTAL	(X)	261.2	(X)	206.6
35811 --	Automatic merchandising machines:				
	As reported in the census of manufactures, total[1]	(X)	198.3	(X)	164.3
	As reported on Census Annual Form MA-35U, total[1]	(X)	188.7	(X)	163.5
35812 --	Coin-operated mechanisms and parts for automatic merchandising machines, total	(X)	45.5	(X)	32.8
35812 51	Coin-operated mechanisms (for sale separately)	(NA)	27.0	1,121.0	19.1
35812 69	Parts for automatic vending machines (except coin-operated mechanisms)	(X)	18.5	(X)	13.6
35810 00	Automatic merchandising machines and parts, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	14.8	(X)	9.5
35810 02	Automatic merchandising machines and parts, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	2.6		
3582- --	COMMERCIAL LAUNDRY EQUIPMENT, TOTAL	(X)	[2]199.6	(X)	129.6
	Commercial laundry equipment and laundry presses:				
35820 21	Washers only	4.1	8.1	5.7	8.7
35820 22	Extractors only	4.7	3.9	6.6	5.6
	Washer-extractor combinations:				
35820 12	Coin-operated	159.1	29.0	[3]7.4	[3]14.5
35820 14	Other than coin	4.7	27.6		
	Drying tumblers:				
35820 16	Coin-operated	74.0	16.5	[4]49.8	[4]21.0
35820 18	Other than coin	7.2	5.2		
35820 26	Ironers, flatwork	(NA)	7.4	1.7	5.8
35820 27	Presses, laundry	14.3	21.8	15.8	18.7
35820 28	Other commercial laundry equipment	(X)	10.1	(X)	7.7
35820 31	Parts, attachments, and accessories[5]	(X)	13.4	(X)	14.2
	Drycleaning equipment and clothing presses:				
	Drycleaning units:				
35820 32	Coin-operated	3.3	4.8	5.2	10.2
35820 33	Other than coin-operated	3.4	7.5	1.6	4.0
35820 41	Presses, drycleaning	6.9	7.1	([6])	([6])
35820 43	Garment-manufacturer's (needle trades) presses	0.8	1.3	([6])	([6])
35820 52	Washer-extractors	0.7	3.9	0.5	2.5
35820 81	Other drycleaning equipment, including washers, extractors and reclaiming units	(X)	13.2	(X)	[6]9.2
35820 91	Parts, attachments, and accessories[5]	(X)	8.9	(X)	2.7
35820 00	Commercial laundry, drycleaning, and pressing machines, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	7.6	(X)	5.2
35820 02	Commercial laundry, drycleaning, and pressing machines, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	2.2		
3585- --	REFRIGERATION MACHINERY, TOTAL	(X)	[7]3,469.0	(X)	[7]2,104.6
35851 --	Heat transfer equipment, except room and unitary air-conditioners				
	As reported in the census of manufactures[1]	(X)	918.5	(X)	[8]1,158.8
	As reported on Census Form MA-35M[1]	(X)	914.0	(X)	[8]1,130.9
35852 --	Air-conditioners, room and unitary				
	As reported in the census of manufactures[1]	(X)	1,068.1	(X)	([8])
	As reported on Census Form MA-35M[1]	(X)	1,051.7	(X)	([8])
35853 --	Commercial refrigerators and related equipment, total	(X)	341.5	(X)	253.7
	Refrigerated enclosures, including self-contained units, remote units with or without condensing units, and cabinets. Cabinets shipped to other manufactures of commercial refrigeration equipment are shown under code 3585798:				
35853 12	Sectional coolers or cooling rooms of the prefabricated (factory produced) type, including walk-in, roll-in, and combination cooler display types	56.9	76.5	36.4	33.7
	Reach-in refrigerators and reach-in type vertical display cabinets, with solid or glazed doors:				
35853 15	Normal temperature application; i.e., not intended for frozen foods, ice cream, etc	35.5	25.2	37.0	24.8
35853 18	Low temperature application	22.7	19.2		

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
	REFRIGERATION MACHINERY--Continued				
	Commercial refrigerators and related equipment--Continued				
	Display cases for meat, dairy products, produce, and other perishables, operated at normal temperatures; i.e., not intended for frozen foods, ice cream, etc.:				
35853 22	Closed	20.7	13.4	16.2	8.7
	Open, self-service:				
35853 24	Single-duty	18.7	14.4	27.6	17.6
35853 26	Double-duty	9.3	7.5	6.5	4.9
35853 28	Multiple deck	23.0	19.5	18.0	15.3
	Display cases and cabinets for frozen foods, ice cream and other foods operated at low temperatures (except coin-operated):				
	Frozen food display cases, open, self service:				
35853 31	One level	42.2	28.8	49.7	29.6
35853 33	Multilevel	9.7	10.3		
35853 35	Frozen food cabinets, low temperature reach-ins, etc., closed types	1.5	1.3	16.6	8.2
35853 36	Ice cream counter freezers (include frozen custard machines)	4.0	6.8	3.8	4.3
35853 38	Ice cream dispensing and hardening cabinets	19.2	5.8	23.2	7.2
	Mechanical drinking water coolers:				
35853 43	As reported in the census of manufactures[1]	(X)	38.4	(X)	28.6
	As reported on Census Form MA-35M[1]	267.9	37.5	195.6	26.5
	Mechanical beverage-cooling and dispensing equipment (except coin-operated):				
35853 52	Bottled beverage coolers, dry and wet types	38.7	9.3	38.6	11.4
35853 57	Bulk beverage dispensers (include malt dispensers and pre-cooler cabinets)	12.1	3.6	41.9	11.7
35853 73	Farm and dairy milk coolers (including immersion type and bulk tank storage coolers)	9.2	16.3	12.2	13.3
35853 98	Other commercial refrigerators (include florists' refrigerators, dough retarders, egg refrigerators, environmental control equipment, laboratory and industrial refrigerators, mortuary refrigerators, etc.)	(X)	27.3	(X)	27.0
35853 00	Unitary commercial refrigeration equipment, n.s.k.	(X)	18.0	(X)	7.4
35854 --	Compressors and compressor units, all refrigerants				
	As reported in the census of manufactures[1]	(X)	494.5	(X)	269.4
	As reported on Census Form MA-35M[1]	(X)	442.0	(X)	[9] 258.6
35855 --	Condensing units, all refrigerants				
	As reported in the census of manufactures[1]	(X)	73.3	(X)	73.5
	As reported on Census Form MA-35M[1]	(X)	66.1	(X)	[10] 71.9
35857 --	Other refrigeration and air-conditioning equipment, including soda fountain and beer dispensing equipment, total	(X)	484.9	(X)	302.5
35857 11	Soda fountain equipment (cooler box, fountainette, and similar equipment)	(X)	46.6	(X)	26.4
35857 51	Beer dispensing equipment	(X)	8.9	(X)	3.8
35857 94	Evaporative air coolers	(NA)	38.0	429.2	28.9
35857 96	Other refrigeration machinery and air-conditioning equipment	(X)	89.5	(X)	77.4
35857 97	Complete refrigeration systems shipped to other manufacturers for incorporation into a cabinet, vending machine, or household refrigerator.	(X)	288.6	(X)	150.7
35857 98	Other components and accessories for air-conditioning and refrigeration equipment				
35857 00	Other refrigeration and air-conditioning equipment, n.s.k.	(X)	13.1	(X)	15.4
35850 00	Refrigeration and air-conditioning equipment, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	74.3	(X)	46.7
35850 02	Refrigeration and air-conditioning equipment, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	13.9		
3586- --	MEASURING AND DISPENSING PUMPS, TOTAL	(X)	139.3	(X)	121.0
	Gasoline dispensing pumps, computing type (filling station type):				
35860 11	Single units	119.1	56.6	85.8	42.2
35860 12	Dual units[11]	14.0	11.5	11.9	9.7
35860 21	Lubricating-oil outfits, including pump and tank	(NA)	11.5	38.1	8.3
35860 31	Lubricating-oil pumps, including barrel pumps	433.8	11.7	387.9	8.8
35860 41	Grease pumps	(NA)	13.7	(NA)	10.5
35860 51	Grease guns	1,937.0	8.5	2,746.7	11.1
35860 98	Other measuring and dispensing pumps (includes noncomputing gasoline dispensing pumps)	(X)	21.0	(X)	29.3
35860 00	Measuring and dispensing pumps, n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	4.3	(X)	1.0
35860 02	Measuring and dispensing pumps, n.s.k. (For establishments with less than 10 employees. See Note.)	(X)	0.6		

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3589- --	SERVICE INDUSTRY MACHINES, N.E.C., TOTAL	(X)	539.8	(X)	341.5
35891 --	Commercial cooking and food warming equipment	(X)	158.2	(X)	107.0
	Nonelectric:				
35891 11	Commercial cooking stoves, ranges, ovens, and broilers (except electric)	94.4	29.9	61.4	21.5
35891 29	Other commercial cooking equipment (except electric), including griddles, toasters, deep-fat fryers, coffee urns, pressure cookers--steam, etc.	(NA)	20.2	(NA)	15.7
35891 31	Commercial food-warming equipment (except electric), including steam tables	(X)	3.3	(X)	5.2
	Electric:				
35891 61	Commercial ranges, ovens, and broilers, electric	(NA)	19.1	30.6	8.3
35891 63	Commercial electronic stoves and ovens	(X)	35.7	(X)	4.2
35891 71	Other commercial cooking equipment (electric), including griddles, toasters, deep-fat fryers, coffee makers, coffee urns			(X)	16.7
35891 81	Commercial food warming equipment (electric), including hot food server units and steam tables	(X)	26.9	(X)	10.5
35891 85	Parts and accessories for commercial cooking and food warming equipment	(X)	8.3	(X)	19.0
35891 00	Commercial cooking and food warming equipment, n.s.k	(X)	14.8	(X)	5.8
35892 --	Service industry machines and parts, total	(X)	305.3	(X)	196.7
	Water softeners:				
35892 22	Industrial	(NA)	22.3	5.3	11.3
	Farm, household, and commercial:				
35892 25	Manual and semiautomatic	71.7	6.6	78.7	4.8
35892 28	Automatic	259.0	36.0	157.8	21.4
35892 35	Floor waxing and polishing machines, commercial and industrial type	79.6	17.8	95.5	13.6
35892 42	Floor sanding and floor scrubbing machines, commercial type	(X)	4.7	(X)	7.6
35892 61	Carpet sweepers, commercial type	([12])	([12])	1,084.5	5.0
35892 71	Dishwashing machines, commercial type	16.7	36.0	18.7	27.9
35892 81	Sewage purification equipment	(X)	48.2	(X)	68.0
35892 91	Other industrial and commercial service machines	(X)	[12]105.8		
35892 93	Parts and accessories for service industry machines	(X)	18.8	(X)	24.0
35892 00	Service industry machines and parts, n.s.k	(X)	9.2	(X)	13.1
35893 --	Commercial and industrial vacuum cleaners, including parts and attachments	(X)	26.0	(X)	19.0
35893 11	Portable, including attachments and parts	141.0	16.8	193.2	14.8
35893 98	Central systems, including parts and attachments for all types of commercial and industrial vacuum cleaners	(X)	7.0	(X)	3.9
35893 00	Commercial and industrial vacuum cleaners, including parts and attachments, n.s.k	(X)	2.2	(X)	0.4
35890 00	Service industry machines, n.e.c., n.s.k. (For companies with ten or more employees. See Note)	(X)	35.6	(X)	18.9
35890 02	Service industry machines, n.e.c., n.s.k. (For companies with less than ten employees. See Note.)	(X)	14.7		

See footnotes at end of table.

TABLE 6A-1. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Shipments including interplant transfers							
		1967						1963	
		Total shipments and other receipts including interplant transfers		Shipments for replacement, including shipments to U.S. motor vehicle manufacturers for resale[13]		Shipments to U.S. motor vehicle manufacturers of their suppliers for use in original equipment[13]	Shipments for export, including transfers to other divisions for export[13]	Quantity	Value
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)	(million dollars)	(million dollars)	(million units)	(million dollars)
3599- --	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL, TOTAL.	(X)	[14]3,286.1	(X)	(X)	(X)	(X)	(X)	[14]1,685.5
35991 --	Carburetors (new) pistons and piston rings, and valves, total	(X)	499.9	(X)	(X)	(X)	(X)	(X)	[15]386.1
	Carburetors, new all types:								
35991 11	For motor vehicles (passenger cars, trucks, and busses)	11.9	154.5	1.8	37.9	(D)	(D)	14.3	121.4
35991 13	All other carburetors	3.3	22.6	(X)	(X)	(X)	(X)		
	Pistons, all types (machined), excluding rough castings:								
	Aluminum:								
35991 31	For motor vehicles (passenger car, trucks, and busses)	21.7	51.3	9.0	21.9	27.8	2.0	28.0	60.3
35991 33	All other aluminum pistons	16.3	19.3	(X)	(X)	(X)	(X)		
	Other than aluminum:								
35991 35	For motor vehicles (passenger cars, trucks, and busses)	2.0	1.5	(D)	(D)	(D)	(D)	1.9	4.0
35991 37	All other pistons, except aluminum	(NA)	3.7	(X)	(X)	(X)	(X)		
	Pistons rings, all types:								
	Oil types:								
35991 51	For motor vehicles (passenger cars, trucks, busses)	257.4	31.4	73.0	10.2	20.4	0.8	164.9	35.2
35991 53	All other oil type piston rings	11.1	10.2	(X)	(X)	(X)	(X)		
	Compression type:								
35991 55	For motor vehicles (passenger cars, trucks, and busses)	437.8	55.1	107.0	15.5	37.7	2.1	403.0	79.1
35991 57	All other compression type piston rings	(NA)	26.7	(X)	(X)	(X)	(X)		
	Valves (intake and exhaust only):								
35991 61	For motor vehicles (passenger cars, trucks, and busses)	131.4	80.9	13.4	8.1	71.3	1.4	148.9	86.1
35991 63	All other valves	(NA)	26.9	(X)	(X)	(X)	(X)		
35991 00	Carburetors, pistons, piston rings, valves, n.s.k.	(X)	15.8	(X)	(X)	(X)	(X)	(X)	([15])
35992 --	All other machine shop products, including flexible metal hose and tubing and metal bellows, total	(X)	863.0	(X)	(X)	(X)	(X)	(X)	[15]885.5
	Flexible metal hose and tubing:								
35992 11	Copper and copper-base alloy	(X)	97.6	(X)	(X)	(X)	(X)	(X)	9.8
35992 13	Aluminum and aluminum-base alloy							(X)	5.5
35992 19	Other							(X)	55.0
35992 21	Metallic and semimetallic packing (except asbestos-metallic)	(X)	10.2	(X)	(X)	(X)	(X)	(X)	15.9
35992 25	Metal bellows	(X)	13.9	(X)	(X)	(X)	(X)	(X)	14.2
35992 41	Pneumatic and hydraulic cylinders	(X)	127.5	(X)	(X)	(X)	(X)	(X)	86.8
35992 31	Carnival and amusement park equipment (Ferris wheels, merry-go-rounds, etc.) excluding coin operated amusement machines	(X)	547.0	(X)	(X)	(X)	(X)	(X)	6.4
35992 98	Other machine shop products	[16]1.9	[16]12.8	(X)	(X)	(X)	(X)	(X)	691.9
35992 71	Carburetors, rebuilt, all types								
35992 00	All other machine job products, n.s.k.	(X)	54.0	(X)	(X)	(X)	(X)	(X)	([15])
35993 11	Machine shop jobwork	(X)	[17]1,080.0	(X)	(X)	(X)	(X)	(X)	([14])
35990 00	Miscellaneous machinery, except electrical, n.s.k. (For establishments with 10 or more employees.)	(X)	561.9	(X)	(X)	(X)	(X)	(X)	[15]414.0
35990 02	Miscellaneous machinery, except electrical, n.s.k. (For establishments with less than 10 employees.)	(X)	281.3	(X)	(X)	(X)	(X)		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Footnotes continued on next page.

TABLE 6A-1. Products and Product Classes—Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Footnotes for Table 6A-1--35G--Continued

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. In some cases, figures which are otherwise publishable are withheld to avoid indirect disclosure by subtraction from higher-level totals or related figures.

[1]For these products, data were also collected on the Census Annual Commodity Survey program. In lieu of asking for detailed statistics on these products in the census of manufactures, respondents were asked to report only value of shipments for specified classes of products for which separate figures had previously been collected on the annual form. In most cases, the value figures reported in the census of manufactures for each class of products agreed closely with the corresponding figures reported in the annual survey. However, there were some differences between the census figures and the annual survey figures. These variations were due primarily to the following reasons:

a. Use of different reporting periods (calendar year vs. fiscal year).
b. Use of different bases for reporting value (company sales vs. factory production).
c. Uses of estimates in reporting data on the annual survey, whereas census of manufactures figures generally represent more exact shipments figures.

See tables 6A-2 through 6A-8 for more detailed product data.

[2]This product class total (35820) is not completely comparable with data for prior years because of the inclusion in 1967 of coin-operated washer-extractors and drying tumblers, product codes 35820 12 and 35820 16. An indeterminate portion of these products have previously been included in product class 36331: Mechanical household washing machines, dryers, and washer-dryer combinations.

[3]1963 data for these machines are primarily included in industry 3633 (Household Laundry Equipment), although an indeterminate amount were reported in Industry 3582 and are included in product code 35820 14.

[4]For 1963, an indeterminate amount of coin-operated drying tumblers were included with household dryers, Industry 3633.

[5]Excludes coin-operated mechanisms.

[6]For 1963, product codes 35820 41 (Presses, drycleaning) and 35820 43 (Garment-manufacturer's (needle trade) presses) were included with product code 35820 81 (Other drycleaning equipment, including washers, extractors and reclaiming units).

[7]The total value of shipments of refrigeration machinery includes extensive duplication resulting from the use of products of some establishments in the industry as materials by others within the same industry.

[8]1963 data for product class 35852 are included with product class 35851.

[9]Includes compressors and motor compressors for household refrigerators valued at $20.0 million.

[10]Includes condensing units for household refrigerators valued at $5.6 million.

[11]Twin pumps are counted as one unit.

[12]1967 data for product code 3589261 "Carpet Sweepers, commercial type" are included with product code 3589291 "Other Industrial and Commercial Service Machines" to avoid disclosing figures for individual companies.

[13]Motor vehicle parts data were published in the 1963 Census of Manufactures in table 6E, "Production and Use of Selected Parts of the Type Used for Passenger Cars, Trucks, and Busses," of report MC63(2)-37A, Motor Vehicles and Equipment. There are significant differences in the manner in which the data were developed in the two Censuses including the following:

(a) In 1963 a total production figure was typically collected including, where appropriate, the quantities produced and consumed in the same establishment in producing a more finished product. In 1967 no production figures were collected.

(b) In 1963 separate quantity data were reported for the quantities of equipment "used in the assembly of new vehicles." These data were collected from automobile assembly plants and included the quantities of parts produced and consumed in the assembly of new vehicles. For 1967 a value rather than a quantity figure was collected and the data were reported by the plants producing the parts rather than by the assembly plants. No values are included for the quantities of parts produced and consumed in the same plant. The value of such parts shipped as interplant transfers from parts plants to assembly plants owned by the same company are included in both 1963 and 1967.

(c) In 1963 the quantity of parts "for replacement, export, and other purposes" was derived by subtracting from the total number of units produced the quantities used in the assembly of new vehicles as reported by motor vehicle assembly plants. In 1967 the quantity and value of export shipments was reported by parts producing plants.

(d) In 1963 it was not considered feasible for selected products to separately identify automotive type parts from similar parts used for tractors, construction machinery, boats, etc. In 1967 this separation was provided for.

[14]In 1963, product code 3599311, Machine shop jobwork, was not separately listed. This type of work was included as "All other machine shop products" by some establishments, and as contract and commission work by many establishments including a large number classified in other industries. (See also table 1A, footnote 5).

[15]For 1963 data for product codes 3599100 and 3599200 are included in product code 3599000.

[16]Data are limited to rebuilding on a factory basis. Rebuilding operations performed in service stations, garages, etc., are excluded from the Census of Manufactures. Also, these figures may be somewhat understated because of the exclusion of data for establishments with fewer than 10 employees. Such establishments were typically not included in the mail portion of the 1967 Census of Manufactures, but were included in the published data by the use of estimates from administrative records. These estimates are included in the value shown for product code 3599002. Although the use of such administrative records tends to create a small understatement for most specific products, the effect is more significant for those products typically produced in small establishments, such as rebuilding facilities.

[17]Value consists principally of receipts for work done on materials owned by others. The value includes approximately $40 million of such receipts reported by establishments classified in industries other than industry 3599. There may be additional values of such work done by other industries reported as miscellaneous receipts rather than as "machine shop jobwork".

TABLE 6A-2. Quantity and Value of Shipments of Coin-Operated Vending Machines: 1967 and 1963

1967 census product code	Item	1967		1963	
		Number of machines	Value ($1,000)	Number of machines	Value ($1,000)
35811--	COIN-OPERATED VENDING MACHINES, TOTAL	540,698	188,746	606,665	163,521
	Vending machines for beverages, total	190,392	123,500	200,890	106,060
	Coffee:[1]				
3581102	Instand or liquid concentrates	7,472	4,348	6,954	2,783
3581103	Fresh-brew (batch)			4,133	4,991
3581104	Fresh-brew (single cup)	21,051	23,129	16,226	15,887
3581105	Canned beverages (refrigerated)[2]	51,906	26,809	4,103	2,575
	Soft drink:				
3581107	Bottle[2]	87,600	40,024	145,433	52,722
3581108	Cup (postmix)	12,766	19,820	13,055	18,237
3581111	Cup (premix)	3,414	3,376	5,088	4,467
3581101 06, 19	Other vending machines for beverages[3]	6,183	5,994	5,898	4,398
	Vending machines for confections and foods, total	193,893	40,131	179,703	29,751
3581121	Bulk	112,696	1,900	113,295	1,812
3581122	Candy bar	56,858	19,751	41,765	13,768
3581123	Hot canned foods and soups	4,366	2,494	2,573	1,322
3581125, 26	Multipurpose (refrigerated and nonrefrigerated)	19,973	15,986	4,982	6,659
3581124, 27, 29	Other vending machines for confections and foods[4]			17,088	6,190
	All other vending machines, total	156,413	25,115	226,072	27,710
3581131	Cigarette	57,603	21,427	62,793	21,311
3581135	Postage stamp	5,701	285	13,382	706
3581133	Ice	93,109	3,403	854	2,793
3581139	All other vending machines except for beverages, confections and foods[5]			149,043	2,900

[1] These are primarily coffee vending machines though they may also vend hot chocolate and/or hot soup from the same cabinet.
[2] Some vending machines designed and sold to handle bottled soft drinks are also adaptable to canned beverages through the use of a conversion kit. For this reason the number of factory shipped dispensers for canned beverages may be somewhat less than the number of vending machines put into service.
[3] Includes packaged milk (indoor and outdoor); milk (bulk or cup); beverage combination (hot and cold); hot beverages such as hot chocolate and/or hot soup (except canned soup) not sold in a combination machine with coffee; and packaged dry ingredients for mixing into beverages.
[4] Includes vending machines for such commodities as apples, cookies, crackers, and biscuits, popcorn, pastry, ice cream, and packaged chewing gum.
[5] Includes vending machines for such products as cosmetics and toiletries, novelties, detergents, newspapers, and stationery supplies.

TABLE 6A-3. Condensing Units: Quantity and Value of Shipments, 1967 and 1963

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number units)	Value ($1,000)
	CONDENSING UNITS,[1] TOTAL	478,448	66,108	786,710	66,305
	Air-cooled, total	453,817	51,230	754,894	53,704
	Open-type, total	7,731	1,626	11,873	1,778
3585521	3/4 hp. and under	3,948	358	7,144	618
3585522	1 hp.	945	160	1,430	222
3585523	1.5 hp.	580	142	870	208
3585524	2 hp.	876	248	1,080	255
3585525	Over 2 hp. but under 15 hp.	1,382	718	1,349	475

See footnotes at end of table.

TABLE 6A-3. Condensing Units: Quantity TY ANI Value of Shipments, 1967 and 1963—Continued

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	Air-cooled--Continued				
	Hermetic-type, total	446,086	49,604	743,021	51,926
3585501-03	1/5 hp. and under	87,509	4,894	318,444	11,456
3585527	1/4 hp.	61,430	2,747		
3585528	1/3 hp.	90,841	4,628	115,512	6,418
3585529	1/2 hp.	87,317	6,340	88,279	6,078
3585530	3/4 hp.	35,747	3,559	29,676	2,791
3585531	1 hp.	21,000	2,972	84,588	5,777
3585532	1.5 hp.	15,603	3,428	45,222	4,245
3585533	2 hp.	14,919	4,245	39,647	4,490
3585534	2.5 hp.	17,385	6,784	11,692	4,639
3585535	3 hp.				
3585536	4 hp.	14,335	10,007	583	219
3585537	Over 4 hp. but under 15 hp.			9,378	5,813
	Water-cooled, total	21,205	7,285	31,816	12,601
	Open-type, total	2,189	1,040	3,655	1,474
3585538	1.5 hp. and under	671	206	829	184
3585539	2 hp.			618	168
3585541	3 hp.	541	206	844	291
3585542, 43	4-5 hp.	491	251	833	419
3585544	7.5 hp.	282	176	307	203
3585545	10 hp.	204	201	224	209
	Hermetic-type, total	19,016	6,245	26,086	6,658
3585547	1/2 hp. and under	2,617	321	5,764	622
3585549	3/4 hp.	2,723	398	3,147	437
3585551	1 hp.	2,740	506	4,671	724
3585552	1.5 hp.	2,276	554	2,426	555
3585553	2 hp.	2,222	688	2,824	788
3585554	3 hp.	2,415	954	2,995	1,077
3585555, 56	4-5 hp.	2,066	1,202	2,713	1,352
3585557	7.5 hp.	1,116	912	865	554
3585559	10 hp.	841	710	681	549
	Water or air-cooled, open or hermetic-type, total	3,426	7,593	2,075	4,469
3585561	15 hp.	791	984	512	603
3585562	20 hp.	834	1,324	262	378
3585563	25 hp.	367	646	219	383
3585564	30 hp.	465	867	227	471
3585565	40 hp.	269	746	259	604
3585566	50 hp.	203	535	193	561
3585567	60 hp.	183	727	171	509
3585568	75 hp.	152	689	72	276
3585569	Over 75 hp.	162	1,075	160	684
3585571	Number of "open-type" units	1,035	(X)	669	(X)
3585572	Number of "hermetic-type" units	2,391	(X)	1,406	(X)

(X) Not applicable.

[1]Data for 1967 include units for household refrigerators. Such units are excluded in 1963. Data for ammonia refrigerants are excluded for both years.

TABLE 6A-4. Compressors and Compressor Units: Quantity and Value of Shipments, 1967 and 1963

1967 Census product code	Product	Shipments of complete units			
		1967		1963	
		Number of units	Value ($1,000)	Number of units	Value ($1,000)
	COMPRESSORS AND COMPRESSOR UNITS,[1] TOTAL	10,679,834	441,981	5,626,518	238,563
	All refrigerants (except ammonia), total	10,677,288	431,811	5,624,185	231,056
	10 hp. and under hermetic-type motor-compressors, total	7,136,392	272,732	4,026,441	149,014
3585401-29	2.5 hp. and under	6,533,875	218,566	3,743,412	116,973
3585430, 31	3 to 4 hp.	480,440	34,984	202,668	17,447
3585432, 33	5 to 7.5 hp.	122,077	19,182	70,481	11,518
3585434	10 hp.			9,880	3,076
	10 hp. and under open-type compressors (with or without motors), total	27,740	3,243	35,872	3,522
3585435	3/4 hp. and under	10,931	419	18,513	851
3585436	1 hp.	2,008	101	3,020	178
3585437	1.5 hp.	2,355	322	1,476	146
3585438	2 hp.				
3585439	3 hp.	7,462	889	8,239	872
3585441, 43	4 to 5 hp.				
3585444	7.5 hp.	2,461	564	3,917	1,094
3585445	10 hp.	2,523	948	707	381
	Over 10 hp. (open- and hermetic-types),[2] total	27,751	20,318	16,699	15,250
3585446	15 hp.	5,061	2,003	5,250	2,172
3585447	20 hp.	5,918	2,590	3,759	1,812
3585448	25 hp.	4,928	2,547	1,238	1,382
3585449	30 hp.	3,663	2,571	1,621	1,525
3585451	40 hp.	3,710	2,950	1,380	1,830
3585452	50 hp.	892	1,024	968	1,585
3585453	60 hp.	1,394	1,989	905	1,611
3585454	75 hp.	1,114	2,006	1,100	2,045
3585455	100 hp.	1,071	2,638	320	712
3585456	Over 100 hp.			158	576
3585457	Number of "open-type" units	8,134	(X)	7,005	(X)
3585458	Number of "hermetic-type" units	19,617	(X)	9,694	(X)
3585459	Automotive air-conditioning (open-type, with or without motor)[3]	3,485,405	135,518	1,545,173	63,270
	Ammonia refrigerants, total	2,546	10,170	2,333	7,507
3585461	15 hp. and under	168	202	282	249
3585462	20 hp.	104	156	220	379
3585463	25 hp.	94	199	198	411
3585464	30 hp.	133	353	146	309
3585465	40 hp.	268	733	335	894
3585466	50 hp.	244	691	178	582
3585467	60 hp.	393	1,454	382	1,370
3585468	75 hp.	368	1,473	202	894
3585469	100 hp.				
3585471	101 to 200 hp.	774	4,909	390	2,419
3585472	201 hp. and over				

(X) Not applicable.
[1] Data for 1967 include units for household refrigerators. Such units are excluded in 1963.
[2] Excludes automotive air-conditioning compressors.
[3] No detail by horsepower is available for these units.

TABLE 6A-5. Compressor Bodies: Number Assembled, 1967 and 1963

Product	Number of units[1]	
	1967	1963
COMPRESSOR BODIES, TOTAL	16,204,211	10,407,998
All refrigerants (except ammonia), total	16,201,924	10,405,893
Other than automotive air-conditioning:		
1/5 hp. and under	2,392,510	2,248,984
1/4 hp.	3,164,834	2,508,189
1/3 hp.	1,310,742	1,023,128
1/2 hp.	1,773,166	
3/4 hp.		54,519
1 hp.	1,228,739	1,474,191
1.5 hp.	778,728	314,599
2 hp.	960,534	744,970
3 hp.	656,292	225,364
4 hp.	108,660	55,729
5 hp.	188,832	105,138
7.5 hp.	56,258	46,039
10 hp.	33,032	28,233
15 hp.	19,482	14,680
20 hp.	14,341	4,610
25 hp.	8,755	1,938
30 hp.	8,112	2,506
40 hp.	5,174	2,222
50 hp.	1,766	1,470
60 hp.	2,253	1,436
75 hp.	2,391	1,743
100 hp. and over	1,918	1,032
Automotive air-conditioning[2]	3,485,405	1,545,173
Ammonia refrigerants	2,287	2,105

[1] Includes units for household refrigerators.
[2] No detail by horsepower is available for these units. Excludes units produced and consumed in the same establishment.

TABLE 6A-6. Heat transfer Equipment: Quantity and Value of Shipments, 1967 and 1963

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	HEAT TRANSFER EQUIPMENT, TOTAL	(X)	276,110	(X)	177,856
	Evaporative condensers, total	2,734	8,370	3,096	7,680
3585101	10 tons and under			136	100
3585102	10.1 to 15 tons	747	1,094	206	221
3585103	15.1 to 20 tons			189	199
3585104	20.1 to 30 tons			451	595
3585105	30.1 to 50 tons	542	1,146	666	1,193
3585106	50.1 to 100 tons	683	1,892	998	2,822
3585107	Over 100 tons	762	4,238	450	2,550
	Room fan-coil air-conditioning units, total	308,257	31,637	350,589	26,586
3585108	Between the studs	11,266	709	29,554	2,434
3585109	Vertical	194,683	22,609	173,107	13,974
3585110	Horizontal	102,308	8,319	147,928	10,178
3585111	Room air-induction units	80,875	3,703	85,930	4,638
	Central station air-conditioning units, motor driven fan type, total	61,952	62,111	44,474	39,125
3585112	3 tons and under	5,434	1,228	13,691	6,468
3585113	3.1 to 5 tons	6,417	2,384		
3585114	5.1 to 10 tons	10,978	5,305	7,588	4,003
3585115	10.1 to 25 tons	17,782	15,091	12,320	10,206
3585116	25.1 to 50 tons	14,210	19,783	7,624	10,657
3585117	Over 50 tons	7,131	18,320	3,251	7,791

See footnotes at end of table.

TABLE 6A-6. Heat Transfer Equipment: Quantity and Value of Shipments, 1967 and 1963—Continued

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	Unit coolers (refrigeration), total	147,547	26,587	118,220	19,065
	Ceiling and wall mounted types, total	146,507	23,261	117,216	16,367
3585118	1,000 B.t.u./hr. and under	17,998	503	14,855	378
3585119	1,001 to 2,000 B.t.u./hr	40,493	1,564	29,343	1,028
3585120	2,001 to 4,000 B.t.u./hr	23,963	2,244	19,461	1,337
3585121	4,001 to 6,000 B.t.u./hr	15,217	2,160	13,529	1,374
3585122	6,001 to 8,000 B.t.u./hr	8,649	1,201	9,627	1,192
3585123	8,001 to 12,000 B.t.u./hr	17,233	4,029	11,427	2,131
3585124	12,001 to 18,000 B.t.u./hr	10,851	3,172	8,810	2,433
3585125	Over 18,000 B.t.u./hr	12,103	8,388	10,164	6,494
3585126	Floor mounted-dry type	1,040	3,326	653	1,472
3585127	Floor mounted-spray type			351	1,226
	Other heat transfer equipment, total	(X)	143,702	(X)	80,762
	Air-cooled refrigerant condensers, remote type, total	14,746	14,053	12,975	9,092
3585128	5 tons and under	1,596	358	2,643	723
3585129	5.1 to 7.5 tons	1,530	527	1,605	592
3585130	7.6 to 10 tons	1,842	762	1,730	697
3585131	10.1 to 15 tons	1,726	955	1,383	804
3585132	15.1 to 20 tons	1,525	1,010	2,086	1,305
3585133	20.1 to 30 tons	2,383	2,546	1,435	1,325
3585134	Over 30 tons	4,144	7,895	2,093	3,646
3585135	Shell-and-tube, shell-and-coil, shell-and-U-tube, tube-in-tube condensers	(X)	5,187	(X)	5,545
3585136	Shell-and-tube, shell-and-coil, shell-and-U-tube, tube-in-tube liquid coolers	(X)	5,509	(X)	5,297
3585137	Liquid-suction heat exchangers, and refrigerant liquid receivers	(X)	4,407	(X)	1,458
	Finned coils, air-conditioning and refrigeration type, used with but not including means for air circulation:				
3585138	Standard steam and steam distributing tube	(X)	11,265	(X)	7,064
3585139	Standard water cooling and/or heating and cleanable tube water	(X)	17,010	(X)	7,703
3585140	Volatile refrigerant cooling	(X)	8,081	(X)	5,757
3585141	Coil sales by original equipment manufacturers intended for resale or assembly into equipment by other manufacturers (all types)	(X)	73,359	(X)	33,286
3585142	Factory-assembled, refrigeration-type, finned gravity coils	(X)	2,520	(X)	4,198
3585143	Wetted-surface dehumidifiers	(X)	2,311	(X)	1,362

(X) Not applicable.

TABLE 6A-7. Packaged Air-Conditioning Equipment: Quantity and Value of Shipments, 1967 and 1963

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	PACKAGED AIR-CONDITIONING EQUIPMENT, TOTAL	(X)	1,051,738	(X)	611,189
	Room air conditioners, total	3,941,425	537,950	1,965,735	296,045
3585201	5,999 B.t.u./hr. and under	518,263	42,762	145,244	14,721
	6,000 to 6,999 B.t.u./hr:				
3585202	7 1/2 amp. 115 volts	427,182	43,539	188,098	21,858
3585203	All other	176,570	16,319	65,567	8,845
	7,000 to 7,999 B.t.u./hr:				
3585204	7 1/2 amp. 115 volts	66,811	7,961	9,899	1,198
3585205	All other	95,168	11,252	71,582	11,155
	8,000 to 8,999 B.t.u./hr:				
3585206	115 volts	365,439	43,711	184,879	22,585
3585207	208 to 230 volts	50,372	6,557	82,670	11,696
	9,000 to 9,999 B.t.u./hr:				
3585208	115 volts	74,492	9,153	29,425	4,120
3585209	208 to 230 volts	130,327	16,730	137,809	18,276
	10,000 to 10,999 B.t.u./hr:				
3585210	115 volts	189,436	24,257	42,993	5,990
3585211	208 to 230 volts	57,719	7,754	69,805	10,894
	11,000 to 12,999 B.t.u./hr:				
3585212	115 volts	253,507	37,886	68,545	9,759
3585213	208 to 230 volts	180,211	26,482	210,830	31,715
3585214	13,000 to 14,999 B.t.u./hr	207,035	32,513	151,725	26,224
3585215	15,000 to 16,999 B.t.u./hr	234,956	36,590	140,042	24,867
3585216	17,000 to 19,999 B.t.u./hr	403,385	70,477	178,516	33,635
3585217	20,000 to 22,999 B.t.u./hr	227,583	41,391	99,825	18,587
3585218	23,000 to 25,999 B.t.u./hr	171,212	35,974	69,872	15,298
3585220	26,000 B.t.u./hr. and over	111,757	26,642	18,409	4,622
	Unitary air conditioners, total	[1]1,004,838	513,788	[1]573,978	315,144
	Air conditioners (except window and wall types), total	132,374	87,748	85,547	60,524
	Single package (with or without evaporator fan), total	121,744	76,995	77,520	52,451
	Horizontal:				
3585231	Under 27,000 B.t.u./hr	35,319	8,838	[2] [3]18,812	[2] [3]5,067
3585233	27,000 to 32,999 B.t.u./hr	10,514	3,565	[2] [3]5,291	[2] [3]1,682
3585235	33,000 to 53,999 B.t.u/hr	24,141	10,885	[2] [3]24,343	[2] [3]11,291
3585237	54,000 to 64,999 B.t.u./hr	12,914	8,382	[2] [3]20,185	[2] [3]15,895
3585239	65,000 to 96,999 B.t.u./hr	3,616	3,953		
3585241	97,000 to 134,999 B.t.u./hr	5,056	6,573	[3]3,944	[3]5,444
3585243	135,000 to 184,999 B.t.u./hr	1,800	3,676	[3]1,623	[3]2,839
3585245	185,000 to 249,999 B.t.u./hr	563	1,521	[3]1,158	[3]2,389
3585247	250,000 to 319,999 B.t.u./hr	177	801	[3]704	[3]1,756
3585249	320,000 to 379,999 B.t.u./hr			[3]605	[3]1,896
3585251	380,000 B.t.u./hr. and over	172	1,192	[3]855	[3]4,192
	Other than horizontal:				
3585232	Under 27,000 B.t.u./hr	2,005	631	([3])	([3])
3585234	27,000 to 32,999 B.t.u./hr	10,747	8,004	([3])	([3])
3585236	33,000 to 53,999 B.t.u./hr			([3])	([3])
3585238	54,000 to 64,999 B.t.u./hr	5,985	4,570	([3])	([3])
3585240	65,000 to 96,999 B.t.u./hr	3,488	3,620	([3])	([3])
3585242	97,000 to 134,999 B.t.u./hr	2,372	3,303	([3])	([3])
3585244	135,000 to 184,999 B.t.u./hr	1,241	2,201	([3])	([3])
3585246	185,000 to 249,999 B.t.u./hr	509	1,146	([3])	([3])
3585248	250,000 to 319,999 B.t.u./hr	353	908	([3])	([3])
3585250	320,000 to 379,999 B.t.u./hr	283	879	([3])	([3])
3585252	380,000 B.t.u./hr. and over	489	2,347	([3])	([3])
	For horizontal units:				
3585253	Number of air or evaporative cooled units	94,272	(X)	(NA)	(NA)
3585254	Number of water cooled units			(NA)	(NA)
	For other than horizontal units:				
3585255	Number of air or evaporative cooled units	27,472	(X)	(NA)	(NA)
3585256	Number of water cooled units			(NA)	(NA)
	Remote-condenser type, total	10,630	10,753	8,027	8,073
3585257	Under 65,000 B.t.u./hr	9,567	7,732	8,027	8,073
3585258	65,000 to 184,999 B.t.u./hr				
3585259	185,000 B.t.u./hr. and over	1,063	3,021		
	Year-round air conditioners, single package and remote-condenser type (except heat pumps), total	75,210	70,759	36,238	34,553
3585223	Under 33,000 B.t.u./hr	15,473	5,637		
3585224	33,000 to 41,999 B.t.u./hr	20,422	10,466		
3585225	42,000 to 53,999 B.t.u./hr	8,347	5,853	36,238	34,553
3585226	54,000 to 64,999 B.t.u./hr	13,805	12,973		
3585227	65,000 to 134,999 B.t.u./hr	11,700	18,514		
3585228	135,000 B.t.u./hr. and over	5,463	17,316		

See footnotes at end of table.

TABLE 6A-7. Packaged Air-Conditioning and Refrigeration Equipment: Quantity and Value of Shipments, 1967 and 1963—Continued

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	Unitary air conditioners--Continued				
	Heat pumps (except room air conditioners), total	73,089	34,593	74,102	38,759
	Single package:				
3585261	Under 27,000 B.t.u./hr.	12,889	4,289	52,195	25,290
3585262	27,000 to 41,999 B.t.u./hr.	19,107	8,687		
3585263	42,000 to 64,999 B.t.u./hr.	8,309	5,727		
3585264	65,000 B.t.u./hr. and over	1,001	1,373		
3585265	Number of air or evaporative cooled units	41,306	(X)	52,195	(X)
3585266	Number of water cooled units				
	Split system heat pumps:				
3585267	Under 27,000 B.t.u./hr.	5,761	1,442	21,907	13,469
3585268	27,000 to 41,999 B.t.u./hr.	15,650	5,858		
3585269	42,000 to 64,999 B.t.u./hr.	8,590	4,924		
3585270	65,000 B.t.u./hr. and over	1,782	2,293		
3585271	Number of air or evaporative cooled units	31,783	(X)	21,907	(X)
3585272	Number of water cooled units				
	Split system, total	(X)	320,688	(X)	181,308
	Air-conditioning condensing units, total	724,165	255,515	378,091	147,765
3585273	Under 22,000 Bt.u./hr.	62,212	10,695	24,055	4,888
3585274	22,000 to 26,999 B.t.u./hr.	134,592	24,949	83,341	17,954
3585275	27,000 to 32,999 B.t.u./hr.	113,976	27,061	44,158	12,317
3585276	33,000 to 41,999 B.t.u./hr.	224,866	68,158	114,812	40,430
3585277	42,000 to 53,999 B.t.u./hr.	79,578	29,883	45,608	21,197
3585278	54,000 to 64,999 B.t.u./hr.	65,114	33,932	39,585	21,350
3585279	65,000 to 96,999 B.t.u./hr.	15,728	13,147	10,662	8,968
3585280	97,000 to 134,999 B.t.u./hr.	12,431	13,577	8,911	9,515
3585281	135,000 to 184,999 B.t.u./hr.	7,090	9,840	5,190	7,242
3585282	185,000 B.t.u./hr. and over	8,578	24,273	1,769	3,904
3585283	Number of air or evaporative cooled units	724,165	(X)	378,091	(X)
3585284	Number of water cooled units				
	Air-conditioning coils, total	716,887	65,173	316,748	33,543
3585285	With blower	160,859	27,708	66,723	15,256
3585286	Without blower	556,028	37,465	250,025	18,287
3585287	Number of air or evaporative cooled units	556,028	(X)	250,025	(X)
3585288	Number of water cooled units				

(NA) Not available. (X) Not applicable.

[1]Excludes quantity of air-conditioning coils.

[2]For 1963, a total of 68,631 units valued at $33,935 thousand in the under 97,000 B.t.u./hr. category were shipped. A breakdown between "Horizontal" types and "Other than Horizontal" types was also obtained for units in this category. Of this total, 55,087 units valued at $24,221 thousand represented "Horizontal" types.

[3]For 1963, data for "Other than horizontal" types are included with "Horizontal" types.

TABLE 6A-8. Other Air Conditioning and Refrigeration Equipment: Quantity and Value of Shipments, 1967 and 1963

1967 Census product code	Product	1967		1963	
		Quantity (number of units)	Value ($1,000)	Quantity (number of units)	Value ($1,000)
	OTHER AIR-CONDITIONING AND REFRIGERATION EQUIPMENT, TOTAL	(X)	675,391	(X)	368,366
	Centrifugal liquid chilling packages, total	3,447	79,490	2,057	42,941
	Hermetic-type, total	2,983	64,341	1,820	35,045
3585147	100 hp. and under	930	13,164	720	9,495
3585148	101 to 200 hp.	875	15,768	487	8,545
3585149	201 to 300 hp.	507	10,970	254	5,373
3585150	301 to 400 hp.	178	4,613	151	3,824
3585151	401 to 500 hp.	493	19,826	208	7,808
3585152, 153	Over 500 hp.	464	15,149	237	7,896
	Open-type, total	101	1,702	32	568
3585154	200 hp. and under	122	2,416		
3585155	201 to 300 hp.	71	1,603	171	5,172
3585156	301 to 400 hp.	19	739		
3585157	401 to 500 hp.	87	3,614		
3585158	501 to 1,000 hp.	64	5,075	34	2,156
3585159	Over 1,000 hp.				
3585162	Number of water chilling units	3,447	(X)	1,984	(X)
3585166	Number of brine chilling units			73	(X)
3585175	Absorption liquid chilling systems	1,764	26,021	1,315	19,202
3585176	Absorption and open-type absorption systems	921	2,601	745	1,503
	Mobile vehicle refrigeration systems, total	43,341	73,761	19,755	43,315
3585177	Mechanical refrigeration systems-railway freight cars	2,197	5,551	19,755	43,315
3585178	Mechanical refrigeration systems-other mobile vehicles	41,144	68,210		
	Mobile vehicle mechanical air-conditioning systems:				
3585179	For passenger automobiles[1]	3,190,331	327,566	1,440,987	139,425
3585180	For truck, agriculture and construction machinery cabs (exclude mobile home, used and truck van systems)			(NA)	(NA)
	Icemaking machines, total	82,866	43,564	54,517	28,506
	Self-contained, total	82,146	42,084	54,104	27,657
	Ice-cube makers, total	56,289	26,751	37,989	17,117
3585160	Automatic, 100 lbs. and under	8,985	1,955	37,989	17,117
3585161	Automatic, 101 lbs. to 200 lbs.	6,524	2,135		
3585163	Automatic, 201 lbs. to 300 lbs.	20,698	8,760		
3585164	Automatic, 301 lbs. to 400 lbs.	7,032	4,167		
3585165	Automatic, 401 lbs. to 600 lbs.	12,184	7,398		
3585167	All others (automatic, over 600 lbs. and nonautomatic)	866	2,336		
	Flake or chip machines, total	25,857	15,333	16,115	10,540
3585168	200 lbs. and under	2,590	887	16,115	10,540
3585169	201 lbs. to 400 lbs.	10,075	4,377		
3585170	401 lbs. to 600 lbs.	4,311	2,483		
3585171	601 lbs. to 1,000 lbs.	5,714	3,990		
3585173	1,0001 lbs. and over	3,167	3,596		
3585186	Not self-contained	720	1,480	413	849
	Reciprocating liquid chilling packages, total	9,693	41,229	9,648	33,259
3585187	20 hp. and under	3,233	4,990	4,071	5,171
3585188	21 to 49 hp.	2,393	8,897	2,487	8,786
3585189	50 to 75 hp.	2,292	12,787	2,069	10,849
3585190	Over 75 hp.	1,775	14,555	1,021	8,453
3585197	Number of water chilling units	6,639	(X)	8,686	(X)
3585198	Number of other chilling units	3,054	(X)	962	(X)
3585199	Number of open-type units	1,113	(X)	1,193	(X)
3585100	Number of hermetic-type units	8,580	(X)	8,455	(X)
3585191	Electrically operated dehumidifiers mechanically refrigerated-type, self-contained	281,223	15,284	224,520	11,759
3585343	Mechanical drinking water coolers	267,896	37,537	195,613	26,509
	Factory-fabricated water-cooling towers,[2] total	22,143	28,338	25,132	21,947
	Mechanical-draft type, total	(D)	(D)	23,564	21,752
	Field assembled:				
3585192	20 tons and under	(D)	(D)	[3]	[3]
3585193	20.1 tons and over	[4]	[4]	[4]	[4]
	Factory assembled:				
3585194	20 tons and under	(D)	(D)	[3]14,327	[3]4,042
3585195	20.1 tons and over	[4]10,937	[4]25,365	[4]9,237	[4]17,710
3585196	Natural-draft type, all sizes	(D)	(D)	1,568	195

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1]Both quantity and value figures exclude systems assembled from purchased components and installed at passenger automobile assembly lines. In addition, for the systems shown, the values are understated because of the exclusion of compressors for some systems. The value understatement, for this reason, is between 25 and 50 percent for 1967.

[2]Towers which are prefabricated and shipped either as a factory-assembled section or as major components for assembly at the site of the installation.

[3]1963 data for product code 3585192 "Field assembled, mechanical-draft type, factory-fabricated water-cooling towers (20 tons and under)" are included with product code 3585194 "Factory assembled, mechanical-draft type, factory-fabricated water-cooling towers (20 tons and under)."

[4]Data for product code 3585193 "Field assembled, mechanical-draft type, factory-fabricated water-cooling towers (20.1 tons and over)" are included with product code 3585195 "Factory assembled, mechanical-draft type, factory-fabricated water-cooling towers (20.1 tons and over)."

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
AUTOMATIC MERCHANDISING MACHINES (35811)		
United States	198.3	164.3
Northeast Region	54.0	36.9
New England Div	FF	(D)
Massachusetts	EE	(1)
Connecticut	CC	(1)
Middle Atlantic Div	FF	(D)
New York	4.0	3.6
New Jersey	FF	(1)
North Central Region	123.8	97.0
East North Central Div	42.3	48.9
Ohio	AA	3.0
Illinois	34.0	28.6
Wisconsin	6.4	(1)
West North Central Div	81.4	48.1
Minnesota	CC	(1)
Iowa	CC	2.7
Missouri	GG	(1)
South Region	15.0	17.1
South Atlantic Div	BB	(D)
Maryland	AA	(1)
East South Central Div	EE	(D)
Tennessee	CC	(1)
Alabama	BB	(D)
West South Central Div	1.2	(D)
Texas	1.2	2.8
West Region	5.5	13.3
Pacific Div	BB	(D)
California	BB	(1)
COIN-OPERATED MECHANISMS, PARTS FOR MERCHANDISING MACHINES (35812)		
United States	45.5	32.8
Northeast Region	5.3	6.8
Middle Atlantic Div	BB	(D)
New Jersey	3.5	(D)
North Central Region	26.8	23.6
East North Central Div	9.7	9.9
Illinois	CC	4.9
Wisconsin	AA	(1)
West North Central Div	17.1	13.7
Missouri	EE	(1)
South Region	11.8	1.0
South Atlantic Div	BB	(D)
Maryland	BB	(D)
West South Central Div	CC	(D)
Arkansas	CC	(D)
Texas	AA	(D)
West Region	1.6	1.3
Pacific Div	1.6	(D)
California	1.6	(D)
HEAT TRANSFER EQUIPMENT (EXCLUDING ROOM, UNITARY AIR-CONDITIONING (35851)		
United States	918.6	(NA)
Northeast Region	317.6	(NA)
New England Div	12.8	(NA)
Massachusetts	7.8	(NA)
Connecticut	5.1	(NA)
Middle Atantic Div	304.8	(NA)
New York	GG	(NA)
New Jersey	FF	(NA)
Pennsylvania	79.2	(NA)
North Central Region	395.4	(NA)
East North Central Div	335.4	(NA)
Ohio	188.5	(NA)
Indiana	CC	(NA)
Illinois	FF	(NA)
Michigan	33.5	(NA)
Wisconsin	63.6	(NA)
West North Central Div	60.0	(NA)
Minnesota	29.0	(NA)
Iowa	BB	(NA)
Missouri	15.0	(NA)
Kansas	EE	(NA)
South Region	148.0	(NA)
South Atlantic Div	21.2	(NA)
Maryland	CC	(NA)
Virginia	3.2	(NA)
North Carolina	BB	(NA)
Georgia	BB	(NA)
Florida	AA	(NA)
East South Central Div	51.8	(NA)
Kentucky	EE	(NA)
Tennessee	AA	(NA)
Alabama	EE	(NA)
Mississippi	FF	(NA)
West South Central Div	74.9	(NA)
Arkansas	BB	(NA)
Oklahoma	CC	(NA)
Texas	66.5	(NA)
West Region	57.5	(NA)
Mountain Div	AA	(NA)
Utah	AA	(NA)
Pacific Div	GG	(NA)
California	GG	(NA)
AIR CONDITIONERS, ROOM AND UNITARY (35852)		
United States	1,068.1	(NA)
Northeast Region	238.1	(NA)
New England Div	CC	(NA)
Rhode Island	BB	(NA)
Connecticut	CC	(NA)
Middle Atlantic Div	GG	(NA)
New York	123.7	(NA)
New Jersey	GG	(NA)
Pennsylvania	FF	(NA)
AIR CONDITIONERS, ROOM AND UNITARY (35852)--Con.		
North Central Region	581.2	(NA)
East North Central Div	493.3	(NA)
Ohio	151.0	(NA)
Indiana	178.2	(NA)
Illinois	FF	(NA)
Michigan	112.1	(NA)
Wisconsin	CC	(NA)
West North Central Div	87.9	(NA)
Minnesota	GG	(NA)
Iowa	FF	(NA)
Missouri	AA	(NA)
Kansas	BB	(NA)
South Region	237.7	(NA)
South Atlantic Div	27.1	(NA)
Virginia	FF	(NA)
Georgia	AA	(NA)
Florida	BB	(NA)
East South Central Div	117.1	(NA)
Kentucky	GG	(NA)
Tennessee	FF	(NA)
Alabama	EE	(NA)
West South Central Div	93.6	(NA)
Arkansas	CC	(NA)
Oklahoma	BB	(NA)
Texas	GG	(NA)
West Region	11.1	(NA)
Mountain Div	CC	(NA)
Arizona	BB	(NA)
Pacific Div	CC	(NA)
California	5.9	(NA)
COMMERCIAL REFRIGERATION EQUIPMENT (35853)		
United States	341.5	253.7
Northeast Region	104.6	62.4
New England Div	3.4	2.7
Massachusetts	3.4	2.7
Middle Atlantic Div	101.2	59.7
New York	20.7	17.6
New Jersey	34.7	22.3
Pennsylvania	45.9	19.8
North Central Region	165.7	132.4
East North Central Div	99.7	82.9
Ohio	33.0	22.5
Indiana	20.6	20.4
Illinois	10.5	7.0
Michigan	22.8	20.0
Wisconsin	12.7	13.0
West North Central Div	66.0	49.5
Minnesota	EE	(1)
Iowa	3.7	2.5
Missouri	38.1	26.9
Kansas	CC	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
COMMERCIAL REFRIGERATION EQUIPMENT (35853)--Con.		
South Region	49.7	37.0
South Atlantic Div	21.0	16.3
Delaware	BB	(D)
Maryland	4.1	5.0
South Carolina	BB	(1)
Georgia	CC	(1)
Florida	AA	(D)
East South Central Div	6.7	3.9
Tennessee	AA	(1)
Alabama	BB	(1)
Mississippi	BB	(1)
West South Central Div	22.0	16.8
Arkansas	CC	(1)
Texas	EE	(1)
West Region	21.6	22.0
Pacific Div	FF	(D)
Washington	4.0	3.0
California	16.4	16.7
COMPRESSORS, COMPRESSOR UNITS, AND REFRIGERANTS (35854)		
United States	494.5	269.4
Northeast Region	46.9	31.7
New England Div	CC	(D)
Connecticut	CC	(1)
Middle Atlantic Div	FF	(D)
New York	CC	(1)
Pennsylvania	FF	(1)
North Central Region	400.5	(D)
East North Central Div	400.5	224.9
Ohio	195.5	93.8
Indiana	FF	(1)
Illinois	EE	(1)
Michigan	GG	(1)
Wisconsin	CC	(1)
South Region	39.9	(D)
East South Central Div	FF	(D)
Kentucky	FF	(1)
Alabama	EE	(D)
West South Central Div	BB	(D)
Texas	BB	(D)
West Region	7.2	(D)
Pacific Div	CC	(D)
California	CC	(D)
CONDENSING UNITS, ALL REFRIGERANTS (35855)		
United States	73.3	73.5
Northeast Region	10.7	18.9
Middle Atlantic Div	EE	(D)
New York	CC	6.8
New Jersey	BB	(1)
North Central Region	46.2	45.8
East North Central Div	FF	(D)
Ohio	EE	(1)
Indiana	AA	(1)
Michigan	FF	21.1
Wisconsin	AA	(1)
CONDENSING UNITS, ALL REFRIGERANTS (35855)--Con.		
North Central Region--Con.		
West North Central Div	CC	(D)
Missouri	CC	(1)
South Region	7.9	7.1
South Atlantic Div	BB	(D)
Georgia	BB	(1)
East South Central Div	AA	(D)
Tennessee	AA	(D)
West South Central Div	3.4	(D)
Oklahoma	BB	(D)
West Region	8.4	1.7
Pacific Div	CC	(D)
California	CC	(1)
OTHER REFRIGERATION EQUIPMENT, INCLUDING SODA, BEER DISPENSING (35857)		
United States	484.9	302.5
Northeast Region	84.1	97.9
New England Div	22.0	19.6
Massachusetts	AA	(1)
Connecticut	FF	16.3
Middle Atlantic Div	62.1	78.3
New York	25.7	33.2
New Jersey	9.8	22.0
Pennsylvania	26.5	23.1
North Central Region	263.2	110.8
East North Central Div	232.0	81.5
Ohio	65.0	23.0
Indiana	53.8	15.2
Illinois	17.4	13.1
Michigan	65.0	23.0
Wisconsin	30.9	7.2
West North Central Div	31.3	29.3
Minnesota	EE	(1)
Iowa	AA	
Missouri	EE	14.9
South Region	109.0	65.7
South Atlantic Div	FF	16.5
Maryland	CC	(1)
Virginia	CC	4.8
North Carolina	21.1	8.1
Georgia	BB	(D)
Florida	2.4	(1)
East South Central Div	AA	10.8
Tennessee	AA	(1)
West South Central Div	66.2	38.4
Arkansas	AA	2.4
Oklahoma	AA	(1)
Texas	63.1	33.7
West Region	28.6	28.2
Mountain Div	EE	(D)
Arizona	EE	(1)
Pacific Div	EE	(D)
California	14.8	(1)
MEASURING AND DISPENSING PUMPS (35860)		
United States	139.3	121.0
Northeast Region	18.5	31.2
New England Div	4.4	(D)
Vermont	BB	(1)
Middle Atlantic Div	14.0	(D)
New York	BB	2.5
Pennsylvania	EE	9.7
North Central Region	80.1	67.6
East North Central Div	63.7	49.0
Ohio	EE	14.5
Indiana	24.0	(1)
Illinois	12.8	(1)
Michigan	EE	(1)
Wisconsin	AA	(D)
West North Central Div	16.4	18.6
Minnesota	4.9	(1)
Iowa	BB	(1)
Missouri	CC	(1)
South Region	35.3	19.3
South Atlantic Div	FF	(D)
Maryland	EE	(1)
North Carolina	EE	(D)
East South Central Div	BB	(D)
Tennessee	BB	(1)
West South Central Div	BB	(D)
Texas	BB	(1)
West Region	5.5	2.9
Mountain Div	BB	(D)
Colorado	BB	(1)
Pacific Div	BB	(D)
California	BB	(1)
COMMERCIAL COOKING AND FOOD WARMING EQUIPMENT (35891)		
United States	158.2	107.0
Northeast Region	37.3	30.4
New England Div	14.2	10.5
New Hampshire	AA	(1)
Vermont	BB	(1)
Massachusetts	CC	(1)
Middle Atlantic Div	23.0	19.9
New York	10.4	8.2
New Jersey	8.6	18.7
Pennsylvania	4.0	3.0
North Central Region	72.7	51.0
East North Central Div	58.1	42.7
Ohio	CC	(1)
Indiana	BB	(1)
Illinois	36.5	30.9
Michigan	CC	(D)
West North Central Div	14.5	8.3
Minnesota	CC	(D)
Missouri	CC	6.7
South Region	18.8	11.3
South Atlantic Div	11.0	(D)
Maryland	CC	(1)
South Carolina	AA	(D)
Georgia	2.1	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
COMMERCIAL COOKING AND FOOD WARMING EQUIPMENT (35891)--Con.		
South Region--Con.		
East South Central Div....	BB	(D)
Kentucky.....	BB	(1)
West South Central Div....	CC	(D)
Louisiana.....	BB	(1)
Texas.....	BB	(D)
West Region.....	29.4	14.3
Mountain Div.....	2.0	(D)
Colorado.....	AA	(D)
Pacific Div.....	27.4	(D)
Washington.....	AA	(D)
California.....	FF	12.5
SERVICE INDUSTRY MACHINES AND PARTS (35892)		
United States.....	305.3	196.7
Northeast Region.....	56.9	46.3
New England Div.....	7.5	7.6
Massachusetts.....	5.5	5.1
Connecticut.....	AA	2.4
Middle Atlantic Div.....	49.4	38.7
New York.....	10.4	8.8
New Jersey.....	7.3	9.6
Pennsylvania.....	31.7	20.4
North Central Region....	183.8	130.3
East North Central Div....	144.9	103.7
Ohio.....	43.7	35.5
Indiana.....	5.3	2.8
Illinois.....	62.2	41.8
Michigan.....	12.2	14.6
Wisconsin.....	21.4	9.1
West North Central Div....	39.0	26.6
Minnesota.....	31.3	18.1
Iowa.....	2.6	(1)
Missouri.....	AA	(1)
Kansas.....	BB	(1)
South Region.....	33.2	7.5
South Atlantic Div.....	13.1	(D)
North Carolina.....	BB	(1)
Georgia.....	BB	(D)
Florida.....	CC	1.7
East South Central Div....	4.8	(D)
Kentucky.....	4.8	(1)
West South Central Div....	15.3	(D)
Arkansas.....	CC	(D)
Texas.....	CC	(D)
West Region.....	31.3	12.6
Mountain Div.....	4.3	2.7
Colorado.....	BB	2.5
Pacific Div.....	27.0	9.9
Oregon.....	CC	
California.....	EE	9.5

Product class and geographic area	Value of shipments	
	1967	1963
COMMERCIAL INDUSTRIAL VACUUM CLEANERS, PARTS, ATTACHMENTS (35893)		
United States.....	26.0	19.0
Northeast Region.....	CC	6.2
New England Div.....	6.1	(D)
Massachusetts.....	BB	(1)
Connecticut.....	BB	(1)
Middle Atlantic Div.....	AA	(D)
New Jersey.....	AA	(D)
North Central Region....	14.7	9.4
East North Central Div....	CC	(D)
Ohio.....	2.8	1.5
Illinois.....	BB	4.0
Michigan.....	BB	(1)
West North Central Div....	BB	(D)
Minnesota.....	BB	(1)
South Region.....	BB	(D)
South Atlantic Div.....	BB	(D)
Maryland.....	AA	(D)
South Carolina.....	AA	(1)
CARBURETORS (NEW), PISTONS, PISTON RINGS, VALVES (35991)		
United States.....	499.9	(NA)
Northeast Region.....	75.3	(NA)
New England Div.....	BB	(NA)
Connecticut.....	BB	(NA)
Middle Atlantic Div.....	GG	(NA)
New York.....	GG	(NA)
New Jersey.....	1.1	(NA)
Pennsylvania.....	CC	(NA)
North Central Region....	350.4	(NA)
East North Central Div....	293.6	(NA)
Ohio.....	FF	(NA)
Indiana.....	GG	(NA)
Illinois.....	15.6	(NA)
Michigan.....	161.6	(NA)
Wisconsin.....	10.9	(NA)
West North Central Div....	56.7	(NA)
Minnesota.....	BB	(NA)
Missouri.....	51.7	(NA)
South Region.....	54.6	(NA)
South Atlantic Div.....	EE	(NA)
Maryland.....	EE	(NA)
East South Central Div....	FF	(NA)
Kentucky.....	FF	(NA)
Tennessee.....	CC	(NA)
West South Central Div....	5.1	(NA)
Oklahoma.....	1.1	(NA)
Texas.....	4.0	(NA)
West Region.....	19.6	(NA)
Mountain Div.....	CC	(NA)
Colorado.....	CC	(NA)
Pacific Div.....	EE	(NA)
California.....	11.9	(NA)

Product class and geographic area	Value of shipments	
	1967	1963
OTHER MACHINE-SHOP PRODUCTS, METAL HOSE, TUBING, ETC. (35992)		
United States.....	863.0	(NA)
Northeast Region.....	220.1	(NA)
New England Div.....	65.7	(NA)
Massachusetts.....	28.4	(NA)
Rhode Island.....	1.8	(NA)
Connecticut.....	34.0	(NA)
Middle Atlantic Div.....	154.4	(NA)
New York.....	75.0	(NA)
New Jersey.....	25.2	(NA)
Pennsylvania.....	54.2	(NA)
North Central Region....	419.5	(NA)
East North Central Div....	349.5	(NA)
Ohio.....	72.3	(NA)
Indiana.....	19.0	(NA)
Illinois.....	138.5	(NA)
Michigan.....	95.1	(NA)
Wisconsin.....	24.7	(NA)
West North Central Div....	69.9	(NA)
Minnesota.....	11.8	(NA)
Iowa.....	12.5	(NA)
Missouri.....	7.9	(NA)
South Dakota.....	BB	(NA)
Nebraska.....	AA	(NA)
Kansas.....	33.0	(NA)
South Region.....	79.2	(NA)
South Atlantic Div.....	23.4	(NA)
Delaware.....	AA	(NA)
Maryland.....	6.8	(NA)
West Virginia.....	2.2	(NA)
North Carolina.....	5.4	(NA)
South Carolina.....	1.2	(NA)
Georgia.....	1.4	(NA)
Florida.....	4.2	(NA)
East South Central Div....	24.0	(NA)
Kentucky.....	6.2	(NA)
Tennessee.....	10.4	(NA)
Alabama.....	2.9	(NA)
Mississippi.....	4.6	(NA)
West South Central Div....	31.9	(NA)
Arkansas.....	4.4	(NA)
Louisiana.....	BB	(NA)
Oklahoma.....	BB	(NA)
Texas.....	18.0	(NA)
West Region.....	144.2	(NA)
Mountain Div.....	10.2	(NA)
Colorado.....	3.0	(NA)
Arizona.....	4.2	(NA)
Utah.....	1.7	(NA)
Pacific Div.....	134.0	(NA)
Washington.....	36.4	(NA)
Oregon.....	CC	(NA)
California.....	90.5	(NA)
Hawaii.....	AA	(NA)
RECEIPTS FOR MACHINE SHOP JOB WORK (35993)		
United States.....	1 080.0	(NA)
Northeast Region.....	326.7	(NA)
New England Div.....	111.5	(NA)
Maine.....	AA	(NA)
New Hampshire.....	3.8	(NA)
Vermont.....	AA	(NA)
Massachusetts.....	46.9	(NA)
Rhode Island.....	6.3	(NA)
Connecticut.....	52.5	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
RECEIPTS FOR MACHINE SHOP JOB WORK (35993)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	215.2	(NA)
New York	80.6	(NA)
New Jersey	40.6	(NA)
Pennsylvania	94.0	(NA)
North Central Region	362.8	(NA)
East North Central Div.	283.4	(NA)
Ohio	92.0	(NA)
Indiana	25.8	(NA)
Illinois	79.4	(NA)
Michigan	61.4	(NA)
Wisconsin	24.8	(NA)
West North Central Div.	79.4	(NA)
Minnesota	42.1	(NA)
Iowa	3.2	(NA)
Missouri	21.7	(NA)
Nebraska	1.0	(NA)
Kansas	10.8	(NA)
RECEIPTS FOR MACHINE SHOP JOB WORK (35993)--Con.		
South Region	136.8	(NA)
South Atlantic Div.	57.8	(NA)
Delaware	AA	(NA)
Maryland	13.2	(NA)
Virginia	12.2	(NA)
West Virginia	6.6	(NA)
North Carolina	6.6	(NA)
South Carolina	2.0	(NA)
Georgia	5.3	(NA)
Florida	10.0	(NA)
East South Central Div.	20.3	(NA)
Kentucky	3.5	(NA)
Tennessee	8.9	(NA)
Alabama	6.0	(NA)
Mississippi	1.9	(NA)
RECEIPTS FOR MACHINE SHOP JOB WORK (35993)--Con.		
South Region--Con.		
West South Central Div.	58.7	(NA)
Arkansas	1.8	(NA)
Louisiana	9.4	(NA)
Oklahoma	6.1	(NA)
Texas	41.3	(NA)
West Region	253.6	(NA)
Mountain Div.	23.0	(NA)
Colorado	6.2	(NA)
New Mexico	2.8	(NA)
Arizona	9.7	(NA)
Utah	3.1	(NA)
Pacific Div.	230.7	(NA)
Washington	26.6	(NA)
Oregon	8.1	(NA)
California	194.9	(NA)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line to table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States was $1 million or more reported shipments.

TABLE 6C. Product Classes–Quantity and Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3581-	Automatic merchandising machines	261.2	264.3	240.2	230.0	206.6	130.8	(NA)	(NA)
35811	Automatic merchandising machines	198.3	218.3	194.6	185.6	164.3	110.5	74.3	74.2
35812	Coin-operated mechanisms and parts for automatic merchandising machines	45.5	36.9	34.4	33.5	32.8	20.3	(NA)	(NA)
35810	Automatic merchandising machines, n.s.k.	17.4	(9.1)	11.2	10.9	9.5			
35820	Commercial laundry equipment	199.6	201.8	178.3	146.2	129.6	106.6	76.6	93.1
3585-	Refrigeration machinery	3,469.0	3,129.9	2,731.5	2,368.5	2,104.6	1,435.1	(NA)	(NA)
35851	Heat transfer equipment, except room and unitary air conditioners	918.5	1,808.0	1,557.8	1,362.4	1,158.8	715.9	(NA)	(NA)
35852	Air conditioners, room and unitary	1,068.1							
35853	Commercial refrigeration equipment	341.5	356.9	325.2	276.1	253.7	240.4	201.7	227.4
35854	Compressors, and compressor units, all refrigerants	494.5	380.3	336.5	304.0	269.4	181.8	163.0	63.4
35855	Condensing units, all refrigerants	73.3	87.9	73.2	74.9	73.5	70.3	85.3	111.7
35857	Other refrigeration and air-conditioning equipment, including soda fountain and beer dispensing-equipment	484.9	468.7	408.8	311.6	302.5	195.2	(NA)	(NA)
35850	Refrigeration machinery, n.s.k.	88.2	28.0	30.0	39.5	46.7	31.4	(NA)	(NA)
35860	Measuring and dispensing pumps	139.3	163.6	144.6	133.8	121.0	88.2	80.8	95.5
3589-	Service industry machines, n.e.c.	539.8	510.2	449.5	358.2	341.5	222.0	(NA)	(NA)
35891	Commercial cooking and food warming equipment[2]	158.2	188.7	157.6	108.1	107.0	73.2	44.1	127.4
35892	Service industry machines, and parts[2]	305.3	269.3	247.7	212.1	196.7	136.1	140.4	
35893	Commercial and industrial vacuum cleaners, including parts and attachments	26.0	(34.0)	(26.4)	21.8	19.0	12.7	(NA)	(NA)
35890	Service industry machines, n.e.c., n.s.k.	50.3	18.1	17.7	16.2	18.9	-	-	-
3599	Miscellaneous machinery except electrical	3,286.1	2,216.9	1,942.9	1,707.8	1,685.5	1,117.7	(NA)	(NA)
35991	Carburetors (new), pistons, piston rings, and valves	499.9	2,216.9	1,942.9	1,707.8	1,685.5	1,117.7	(NA)	(NA)
35992	Other machine-shop prod., metal hose, tubing, etc.	863.0							
35993	Receipts for machine shop job work	1,080.0							
35990	Miscellaneous machinery, except electrical, n.s.k.	843.2							

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses in the value of shipments columns either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

[2]Parts and accessories for commercial cooking and food warming equipment are included in product class 35892 for 1954.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3581.—AUTOMATIC MERCHANDISING MACHINES					
	Materials, parts, containers, and supplies, total	.....	(X)	112.7	(X)	108.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	(NA)	0.2	1.4	0.3
331012	Sheet and strip	...do.....	70.0	12.8	58.0	10.1
331013	Plates	...do.....	(NA)	0.3	0.2	0.1
331015	Structural shapes	...do.....			0.2	0.1
331019	All other carbon steel mill shapes and forms	...do.....			0.6	0.2
331020	Alloy steel (except stainless)	...do.....	0.9	0.6	0.3	0.2
331031	Stainless steel mill shapes and forms	...do.....	0.8	0.9	2.7	3.1
335121	Copper and copper-base alloy mill shapes and forms	Million lbs.....	(1)	(1)	1.6	1.0
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	2.7	1.7	0.7	0.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....			0.5	0.5
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	1,000 short tons..	(NA)	0.9	(1)	(1)
336100	Aluminum and aluminum-base alloy	Million lbs.....	(1)	(1)	0.7	0.4
336200	Copper and copper-base alloy	...do.....	(Z)	(Z)	0.1	0.1
	Electric motors and generators:[2]					
362110	Fractional horsepower electric motors (under 1 hp.) timing motors, synchronous and subsynchronous	1,000.....	921.8	4.7	957.5	3.4
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	(NA)	1.6	174.4	1.7
362120	Integral horsepower motors and generators (1 hp. and over)	.....	(1)	(1)	(1)	(1)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	78.4	(X)	67.5
976000	Materials, containers, supplies, n.s.k.[3]	.....	(X)	10.6	(X)	19.7
	INDUSTRY 3582.--COMMERCIAL LAUNDRY EQUIPMENT					
	Materials, parts, containers, and supplies, total	.....	(X)	75.9	(X)	57.6
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	5.8	1.2	5.2	1.1
331012	Sheet and strip	...do.....	17.6	3.0	14.3	2.3
331013	Plates	...do.....	8.9	1.6	4.7	0.9
331015	Structural shapes	...do.....	(NA)	0.3	1.7	0.5
331019	All other carbon steel mill shapes and forms	...do.....	3.0	0.8	2.2	0.7
331020	Alloy steel (except stainless)	...do.....	0.8	0.3	2.4	2.8
331031	Stainless steel mill shapes and forms	...do.....	3.2	4.0		
335121	Copper and copper-base alloy mill shapes and forms	1,000 pounds.....	(NA)	0.3	0.7	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	(NA)	0.4	0.5	0.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	(NA)	0.2	0.2	0.1
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	1,000 short tons.....	12.2	5.7	11.8	3.3
336100	Aluminum and aluminum-base alloy	Millions lbs.....	(1)	(1)	0.6	0.6
336200	Copper and copper-base alloy	...do.....	0.4	0.3	0.6	0.4
	Electric motors and generators:[2]					
362110	Fractional horsepower electric motors (under 1 hp.) timing motors, synchronous and subsynchronous	1,000.....	(NA)	0.9	58.8	0.7
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	79.1	2.1	68.4	1.4
362120	Integral horsepower motors and generators (1hp. and over)	...do.....	25.2	3.5	19.1	2.9
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	45.0	(X)	33.4
976000	Materials, containers, supplies, n.s.k.[3]	.....	(X)	6.3	(X)	5.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3585.--REFRIGERATION MACHINERY					
	Materials, parts, containers, and supplies, total	...	(X)	[4]1,532.5	(X)	[4]958.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	80.3	18.4	27.1	5.1
331012	Sheet and strip	...do...	457.5	81.1	347.6	61.0
331013	Plates	...do...	39.9	6.4	44.3	7.0
331015	Structural shapes	...do...	26.8	4.9	8.4	1.6
331017	Wire and wire products	...do...	7.5	1.8	2.4	1.0
331019	All other carbon steel mill shapes and forms	...do...	26.0	7.0	14.1	3.5
331020	Alloy steel except stainless	...do...	8.3	1.8	6.2	2.1
331031	Stainless steel	...do...	15.7	18.4	1.4	16.1
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.	4.3	3.2	1.4	1.1
335790	Insulated wire and cable	Million lbs. (copper content).	4.2	3.2		
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs.	45.2	24.7	2.4	1.3
335123	Plate, sheet, and strip (including military cups and discs)	...do...			11.3	6.3
335127	Pipe and tube	...do...	127.9	105.0	80.5	49.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do...	127.6	48.1	65.5	24.8
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do...	10.0	6.7	3.9	2.2
335209	All other aluminum mill shapes and forms, (wire, rolled rod and bar powder welded tubing, etc.)	...do...	14.5	6.9	2.5	1.0
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	1,000 short tons.	132.2	50.0	91.9	31.1
332300	Steel	...do...	12.6	7.4	17.1	7.7
336100	Aluminum and aluminum-base alloy	Million lbs.	24.8	12.0	8.5	5.2
336200	Copper and copper-base alloy	...do...	2.4	2.0	6.8	3.9
339100	Iron and steel forgings[2]	1,000 short tons.	13.5	5.6	5.5	2.9
	Electric motors and generators:[2]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	(NA)	27.9	(NA)	5.3
362115	Fractional horsepower electric motors (including timing motors)	...do...	9,979.0	104.2	8,435.1	61.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do...	4,240.0	107.9	3,366.8	68.7
	Bearings:					
356218	Ball	...	(X)	5.7	(X)	2.7
356201	Roller	...	(X)	0.2	(X)	0.4
260091	Paper and paperboard containers	...	(X)	17.8	(X)	7.9
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	723.9	(X)	504.1
976000	Materials, containers, supplies, n.s.k.[3]	...	(X)	130.3	(X)	72.8
	INDUSTRY 3586.--MEASURING AND DISPENSING PUMPS					
	Materials, parts, containers, and supplies, total	...	(X)	66.9	(X)	59.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	21.7	3.6	13.5	2.2
331011	Bars and bar shapes	...do...	18.6	4.9	8.2	2.2
331013	Plates	...do...			1.1	0.1
331015	Structural shapes	...do...			1.4	0.2
331019	All other carbon steel mill shapes and forms	...do...			1.6	0.5
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do...	1.3	1.7	0.1	(Z)
331029	All other alloy steel	...do...			(Z)	(Z)
331031	Stainless steel	...do...			0.7	1.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3586.--MEASURING AND DISPENSING PUMPS--Continued					
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content).	(1)	(1)	0.1	0.1
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	1.8	1.1	1.0	0.5
335123	Plate, sheet, and strip (including military cups and discs)	...do			0.2	0.2
335127	Pipe and tube	...do			0.3	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	(Z)	(Z)	0.2	0.2
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	(NA)	0.4	0.4	0.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			0.1	(Z)
999811	Iron and steel scrap (excluding home scrap)	1,000 short tons	(Z)	(Z)	(1)	(1)
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	...do	12.0	3.7	8.8	2.9
332300	Steel	...do	(1)	(1)	(1)	(1)
336100	Aluminum and aluminum-base alloy	Million lbs	(NA)	1.3	2.7	2.0
336200	Copper and copper-base alloy	...do	(1)	(1)	0.5	0.5
339100	Iron and steel forgings[2]		(1)	(1)	(1)	(1)
351901	Gasoline and other carburetor engines[2]	1,000	(1)	(1)	1.0	0.2
	Electric motors and generators:[2]					
362115	Fractional horsepower electric motor (under 1 hp.) (excluding timing motors)	...do	148.5	3.5	121.1	3.1
362120	Integral horsepower motors and generators (1 hp. and over)	...do	(D)	(1)	2.6	0.2
	Bearings:					
356218	Ball		(X)	(1)	(X)	0.2
356201	Roller				(X)	0.1
970099	All other materials and components, parts, containers, and supplies consumed		(X)	41.3	(X)	40.2
972000	Materials, containers, supplies, n.s.k.[3]		(X)	5.4	(X)	2.5
	INDUSTRY 3589.—SERVICE INDUSTRY MACHINES, N.E.C.					
	Materials, parts, containers and supplies, total		(X)	243.4	(X)	150.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	10.0	2.9	4.1	1.3
331012	Sheet and strip	...do	35.6	7.3	27.4	4.3
331013	Plates	...do	31.0	7.0	2.4	0.6
331015	Structural shapes	...do	18.5	4.6	1.5	0.3
331019	All other carbon steel mill shapes and forms	...do			3.0	0.6
331020	Alloy steel (except stainless)	...do	14.8	14.8	1.9	1.4
331031	Stainless steel mill shapes and forms	...do			8.8	9.9
335121	Copper and copper-base alloy mill shapes and forms	Million lbs	1.6	1.3	1.6	1.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	(NA)	2.8	1.0	0.6
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, extruded shapes, etc.)	...do	(NA)	0.8	0.4	0.4
	Castings (rough and semifinished):[5]					
332011	Iron (gray and malleable)	1,000 short tons.	11.0	5.8	10.1	4.3
336100	Aluminum and aluminum-base alloy	Million lbs	6.3	4.7	5.7	4.2
336200	Copper and copper-base alloy	...do	1.9	1.7	1.3	1.0
	Electric motors and generators:[5]					
362110	Fractional horsepower electric motors (under 1 hp.) timing motors, synchronous and subsynchronous	1,000 short tons.	108.2	2.7	68.2	1.1
362115	Other fractional horsepower electric motors (excluding timing motors)	...do	336.2	5.0	244.3	3.4
362120	Integral horsepower motors and generators (1 hp. and over)	...do	52.7	4.7	35.1	2.3
970099	All other materials and components, parts, containers, and supplies consumed		(X)	128.5	(X)	87.0
976000	Materials, containers, and supplies, n.s.k.[3]		(X)	48.8	(X)	27.0

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3599.--MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL					
	Materials, parts, containers, and supplies, total	.....	(X)	921.7	(X)	528.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	163.3	44.8	103.3	22.3
331012	Sheet and strip	...do.....	86.1	17.0	61.3	10.7
331013	Plates	...do.....	58.3	11.6	37.0	6.3
331015	Structural shapes	...do.....	42.5	7.6	23.4	4.2
331017	Wire and wire products	...do.....	13.1	4.7	5.2	2.7
331019	All other carbon steel mill shapes and forms	...do.....	[6]22.7	[6]8.8	31.0	7.2
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	29.2	18.5	23.8	6.4
331029	All other alloy steel mill shapes and forms	...do.....	10.1	5.7	10.1	6.1
331031	Stainless steel	...do.....	21.4	32.3	12.0	17.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	([1])	([1])	0.1	0.1
335790	Insulated wire and cable	Million lbs. (copper content)	([1])	([1])	0.2	0.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	13.4	9.4	6.1	3.2
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	6.0	4.5	3.2	2.1
335127	Pipe and tube	...do.....	([7])	([7])	6.0	3.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	12.4	11.5	5.5	3.5
335205	Extruded shapes, including rod, bar, pipe, tube, etc	...do.....	14.1	9.3	6.7	5.1
335209	All other aluminum mill shapes and forms (wire, rolled rod, and bar, powder, welded tubing, etc.)	...do.....	20.5	8.5	11.9	6.0
	Castings (rough and semifinished):[5]					
332011	Iron (gray and malleable)	1,000 short tons.	75.2	35.8	55.0	22.1
332300	Steel	...do.....	24.5	19.9	16.3	9.6
336100	Aluminum and aluminum-base alloy	Million lbs.....	44.7	29.3	23.0	15.3
336200	Copper and copper-base alloy	...do.....	(NA)	6.2	2.8	2.4
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	300.2	(X)	181.3
976000	Materials, containers, supplies, n.s.k.[3]	.....	(X)	336.1	(X)	190.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand.

[1] Included with material code 970099, "All other materials and components..." to avoid disclosing figures for individual companies.

[2] Excludes materials produced and consumed into products at the same establishment.

[3] This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[4] Includes extensive duplication because the products of some establishments are consumed as materials by other establishments in the same industry.

[5] No data are available for 1967 on the quantities of castings and electric motors and generators produced and consumed in the same establishment. For 1963, the following data are available: industry 3589--iron castings (code 332011), 1.0 thousand short tons; and other fractional horsepower electric motors (code 362115), 8.7 thousand units; industry 3599--iron castings (code 332011), 7.7 thousand short tons; steel casting (code 332200), 0.9 thousand short tons; aluminum castings (code 336100) 2.9 million pounds; and copper castings (code 336200), 3.2 million pounds.

[6] These figures are understated by $10 million or less because of apparent undercoverage of carbon steel pipe and tube.

[7] Included with material code 970099, "All other materials and components, etc."

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Refrigeration machinery (SIC 3585)	Miscellaneous machinery, except electrical (SIC 3599)
	Cost of purchased fuels and electric energy, total....	Million dollars..	17.9	42.5
	Cost of purchased fuels, total.....	...do.....	6.8	13.6
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons.	110.8	25.9
	Cost.....	Million dollars..	1.0	0.3
331212				
331213	Coke, screenings, and breeze:			
	Quantity.....	1,000 short tons.	-	5.7
	Cost.....	Million dollars..	-	0.2
	Fuel oil, total:			
	Quantity.....	1,000 barrels....	195.8	287.6
	Cost.....	Million dollars..	0.8	1.2
291141	Distillate:			
	Quantity.....	1,000 barrels....	97.1	159.8
	Cost.....	Million dollars..	0.4	0.[illegible]
291151	Residual:			
	Quantity.....	1,000 barrels....	98.7	127.8
	Cost.....	Million dollars..	0.3	0.4
131300				
331217				
331218	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
291104	Quantity.....	Million cu. ft...	6,890.7	5,514.0
	Cost.....	Million dollars..	3.7	3.7
291111				
960011				
960013	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.4	0.6
960017				
	Fuels, n.s.k.....	...do.....	0.9	7.6
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs..	908.5	2,050.4
	Cost.....	Million dollars..	11.1	28.9
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs..	-	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	4,765.7	8,620.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt-hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3581	AUTOMATIC MERCHANDISING MACHINES										
	ENTIRE INDUSTRY	150	10.0	59.2	7.8	14.8	39.6	140.8	122.5	248.0	5.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	141	9.1	53.5	7.1	13.4	36.3	131.5	116.9	233.4	4.7
35811	AUTOMATIC MERCHANDISING MACHINES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	53	7.4	44.7	5.7	11.0	30.7	113.3	100.3	198.7	4.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	42	5.5	33.5	4.3	8.2	23.3	92.6	83.2	166.1	3.5
35812	COIN-OPERATED MECHANISMS, PTS. FOR MERCHAND. MACH (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	13	1.5	8.6	1.1	2.1	4.8	16.9	12.8	29.4	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3582	COMMERCIAL LAUNDRY EQUIPMENT										
	ENTIRE INDUSTRY	117	7.5	50.9	5.4	11.2	32.5	96.4	85.9	183.1	4.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	108	5.9	38.7	4.5	9.1	25.9	74.8	66.7	142.0	3.9
3585	REFRIGERATION MACHINERY										
	ENTIRE INDUSTRY	682	94.8	640.4	69.6	141.0	423.9	1 479.8	1 682.1	3 101.1	109.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	630	81.2	545.7	60.3	122.8	363.4	1 277.6	1 436.2	2 655.9	85.3
35851	HEAT TRANSFER EQPT. (EXC. ROOM, UNITARY AIR-COND) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	97	27.7	196.6	19.6	41.0	124.6	465.8	430.6	878.0	26.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	76	11.2	73.0	7.9	16.2	43.7	144.1	171.6	316.9	8.1
35852	AIR-CONDITIONERS, ROOM AND UNITARY (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	42	23.1	156.6	17.5	35.4	110.8	441.9	560.9	980.6	26.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	24	12.3	77.1	9.5	19.3	53.3	238.4	321.8	539.9	18.0
35853	COMMERCIAL REFRIGERATION EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	136	16.3	107.4	11.1	22.1	64.1	189.2	190.6	378.0	19.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	110	9.5	61.6	6.7	13.6	37.2	114.8	117.8	232.3	4.0
35854	COMPRESSORS, COMPRESSOR UNITS, ALL REFRIGERANTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	13	9.1	62.3	7.8	15.3	50.5	126.3	233.3	353.4	6.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35855	CONDENSING UNITS, ALL REFRIGERANTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	1.0	6.9	.7	1.4	3.8	9.2	13.4	22.2	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	.5	3.8	.4	.8	2.3	5.3	6.8	11.8	.2
35857	OTHER REFRIG. EQUIP., INCL. SODA, BEER DISPENSING (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	98	12.2	79.1	8.8	17.7	49.0	182.4	182.4	353.4	19.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	75	7.3	48.1	5.4	11.1	30.0	106.1	102.7	204.8	6.4
3586	MEASURING AND DISPENSING PUMPS										
	ENTIRE INDUSTRY	49	6.4	45.6	4.3	8.9	25.1	94.8	81.0	174.7	3.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	41	3.4	24.7	2.2	4.5	12.9	49.1	49.9	98.6	2.7
3589	SERVICE INDUSTRY MACHINES, NEC										
	ENTIRE INDUSTRY	575	20.9	150.7	13.5	27.2	82.4	313.3	290.7	598.1	10.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	538	16.0	113.5	10.4	20.8	62.2	239.1	229.4	464.7	9.0
35891	COMMERCIAL COOKING AND FOOD WARMING EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	90	7.8	58.1	5.6	11.6	36.2	115.5	86.0	198.4	2.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	71	4.9	34.9	3.5	7.3	22.1	69.0	50.7	118.9	1.7
35892	SERVICE INDUSTRY MACHINES AND PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	133	9.8	70.9	5.6	11.4	33.8	155.9	165.0	318.4	7.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	112	7.5	54.2	4.2	8.6	25.3	121.2	132.8	252.3	5.7
35893	COM., INDUS. VACUUM CLEANERS, PARTS, ATTACHMENTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	.8	6.1	.6	1.1	3.1	11.7	11.1	22.5	.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	3	.1	.8	.1	.1	.4	1.9	1.4	3.3	(Z)
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL										
	ENTIRE INDUSTRY	15 109	202.5	1 443.1	168.8	346.2	1 092.8	2 531.2	1 198.9	3 172.0	179.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	14 329	170.9	1 203.8	143.3	293.0	917.2	2 121.2	1 017.0	3 126.9	146.6
35991	CARBURETORS (NEW), PISTONS, PISTON RINGS, VALVES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	103	28.4	214.9	22.4	45.4	157.6	360.0	208.6	563.8	22.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	80	18.5	137.6	14.8	29.7	102.0	235.0	137.3	370.2	13.7
35992	OTHER MACHINE-SHOP PROD., METAL HOSE, TUBING, ETC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	1 121	43.6	321.0	34.1	72.4	225.3	575.3	316.5	889.7	40.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	980	32.8	244.2	26.0	55.4	174.2	429.9	245.8	677.4	30.4
35993	RECEIPTS FOR MACHINE SHOP JOB WORK (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	3 068	66.5	509.2	55.3	118.8	387.7	864.3	341.7	1 198.6	67.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	2 847	59.1	454.0	49.2	105.6	346.4	773.8	297.1	1 063.6	61.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) - Under 50 thousand (or under 50 employees).

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations : 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations."

Electrical Equipment and Supplies

36A Electrical measurement and distribution equipment

36B Household appliances

36C Electric lighting and wiring equipment

36D Communication equipment, including radio and TV, and electronic components and accessories

36E Miscellaneous electrical equipment and supplies

This major group covers establishments primarily engaged in manufacturing machinery, apparatus and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy.

A number of products which are sometimes considered "as belonging" in electrical equipment are classified in other major groups in the 1957 edition of the Standard Industrial Classification Manual in use for 1963. For example, machinery or equipment powered by built-in or detachable electric motors, such as machine tools and other metalworking equipment, commercial laundry and dry cleaning equipment, industrial vacuum cleaners, and office and store machines are classified in Major Group 35, Machinery, Except Electrical. Establishments primarily engaged in producing glass insulators, glass blanks for bulbs, and porcelain electrical supplies are classified in Major Group 32; those producing electric furnaces and ovens, turbogenerators and gas welding apparatus in Major Group 35; and those making automatic temperature controls in Major Group 38.

Industries included in Major Group 36 are typically defined in terms of products and may include both electrical and electronic equipment. Industry groups 365, 366, and 367 include the bulk of electronic equipment in this major group, i.e., radios, television sets, electron tubes, etc., but they also encompass some communications equipment other than electronic. Both electrical and electronic testing equipment are included in industry 3611, Electric Measuring Instruments. Most of the other industries in Major Group 36 include products generally defined as electrical rather than electronic. Electronic components are frequently produced and consumed at the same location by establishments classified in this major group. Thus, there are (1) plants, solely engaged in producing electronic components, (2) plants producing electronic components and assembling them into finished products, and (3) plants which assemble components produced elsewhere either in other plants of the same company or by other companies. Other types of components and equipment in Major Group 36 such as motors, generators, and motor-generator sets are not uncommonly produced for incorporation into other products made in the same plant.

Products included in Major Group 36 consist of equipment and apparatus for industrial or commercial use as well as goods for household consumption. For example, group 364 includes such consumer durable goods as electric lamps, lighting fixtures, and wiring devices and supplies, as well as similar products for commercial or industrial use. Group 363 consists of household electric appliances such as ranges, ovens, water heaters, fans and small electric

appliances, household refrigerators and freezers, household laundry equipment, sewing machines, and vacuum cleaners.

Data on selected materials consumed (principally the metal items) by each of the 4-digit industries are shown in the respective table 7A's. The number of establishments engaged in some of the more important metalworking operations and the number of employees working in each operation are shown in table 9 for the 4-digit industries. The materials and metalworking operations shown in tables 7A and 9 do not represent, of course, a complete list or, for many industries in this group, even the most important ones. There are a number of significant activities such as assembly, subassembly, welding, etc., which are not covered in all instances. Although the production processes in this area adhere to a general pattern of metalworking and fabricating operations (e.g., machine shop, tool and die room, etc.), there are substantial variations in the numbers and types of processes performed by an individual establishment as well as from industry to industry. Within many of these industries establishments typically purchase mill shapes and castings and carry out the entire fabricating of the metal until it emerges as a finished product. In other industries, however, such as radio and television receiving sets, establishments may be primarily engaged in assembling component parts products by other companies or other plants of the same company. Also, not all industries consume significant amounts of metals or engage in metalworking operations, e.g., Carbon and Graphite Products (industry 3624), Electric Lamps (industry 364), Phonograph Records (industry 3652), and Batteries (industries 369 and 3692).

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees [1]		Production workers			Value added by manufacture [2]	Cost of materials [3]	Value of shipments [3]	Capital expenditures, new [4]
	Total (number)	With 20 employees or more (number)	Total (1,000)	Payroll (million dollars)	Total (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	11 092	5 823	1 980.6	14 106.5	1 323.8	2 611.3	7 607.0	24 487.3	19 437.3	43 361.0	1 537.2
1963	10 365	4 996	1 612.2	10 207.1	1 049.4	2 090.5	5 405.8	17 010.7	12 942.6	29 840.2	701.9
1958	8 476	3 995	1 218.6	6 323.4	810.2	1 592.0	3 519.7	10 471.5	(NA)	19 289.4	459.7
1954[5]	(NA)	(NA)	1 004.5	4 229.3	722.4	1 422.3	2 645.6	7 299.6	(NA)	(NA)	340.7
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	386	251	105.7	1 138.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1963[6]	417	274	100.4	922.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1958[6]	390	198	77.8	568.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1954[6]	(NA)	(NA)	45.4	278.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	10 706	5 572	1 874.9	12 968.0	1 323.8	2 611.3	7 607.0	24 487.3	19 437.3	43 361.0	1 537.2
1963[7]	9 948	4 722	1 511.8	9 284.3	1 049.4	2 090.5	5 405.8	17 010.7	12 942.6	29 840.2	701.9
1958[7]	8 086	3 797	1 140.8	5 755.2	817.0	1 605.8	3 557.6	10 624.3	(NA)	19 547.6	468.0
1954[5]	5 758	2 837	959.1	3 951.0	722.4	1 422.3	2 645.6	7 299.6	(NA)	(NA)	340.7
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966[8]	(NA)	(NA)	1 811.0	11 988.1	1 318.5	2 641.9	7 259.3	23 481.7	18 472.6	40 842.6	1 388.3
1965[8]	(NA)	(NA)	1 604.8	10 449.5	1 138.6	2 313.1	6 231.6	20 161.7	15 430.7	35 127.3	1 045.9
1964[8]	(NA)	(NA)	1 483.8	9 407.3	1 029.9	2 070.2	5 568.9	17 765.4	13 234.0	30 784.7	761.3
1962[7 8]	(NA)	(NA)	1 523.4	9 083.4	1 046.0	2 120.9	5 317.7	16 416.4	12 674.7	29 133.4	652.7
1961[7 8]	(NA)	(NA)	1 432.1	8 207.4	969.8	1 950.6	4 680.8	14 433.0	11 564.7	25 918.9	639.1
1960[7 8]	(NA)	(NA)	1 376.6	7 515.4	962.0	1 932.0	4 465.5	13 484.2	(NA)	(NA)	636.8
1959[7,8]	(NA)	(NA)	1 274.1	6 751.6	926.7	1 854.7	4 195.9	12 825.8	(NA)	(NA)	553.8
1957[7 8]	(NA)	(NA)	1 084.4	5 133.4	794.5	1 565.2	3 292.5	9 620.4	(NA)	(NA)	524.1
1956[7 8]	(NA)	(NA)	1 080.3	4 903.0	816.7	1 617.9	3 261.2	9 112.0	(NA)	(NA)	475.4
1955[7 8]	(NA)	(NA)	1 001.0	4 313.7	758.7	1 521.0	2 896.0	8 002.1	(NA)	(NA)	334.6
1953[8]	(NA)	(NA)	1 095.9	4 424.8	851.4	1 702.9	3 077.5	7 876.2	(NA)	(NA)	406.4
1952[8]	(NA)	(NA)	957.3	3 750.2	740.5	1 521.0	2 629.4	6 873.2	(NA)	(NA)	(NA)
1951[8]	4 294	(NA)	876.6	3 193.3	692.1	1 396.4	2 277.7	5 753.2	(NA)	(NA)	296.3
1950[8]	3 873	(NA)	765.6	2 532.9	609.8	1 221.2	1 799.7	4 815.4	(NA)	(NA)	195.5
1949[8]	(NA)	(NA)	663.1	2 144.8	506.1	1 025.6	1 460.0	3 901.7	(NA)	(NA)	187.3
1947[5]	3 970	(NA)	796.4	2 258.7	634.7	1 278.0	1 636.7	3 860.2	(NA)	(NA)	224.6
1939[9]	1 979	(NA)	(NA)	(NA)	247.9	(NA)	323.4	941.5	(NA)	(NA)	(NA)
1937[10]	1 597	(NA)	374.3	559.4	306.0	(NA)	408.0	1 102.1	(NA)	(NA)	(NA)
1935	1 589	(NA)	275.3	347.5	224.4	(NA)	241.0	685.7	(NA)	(NA)	(NA)
1933[11]	1 365	(NA)	202.1	211.8	163.7	(NA)	145.4	404.2	(NA)	(NA)	(NA)
1931	1 596	(NA)	(NA)	(NA)	216.6	(NA)	239.6	762.6	(NA)	(NA)	(NA)
1929	1 861	(NA)	421.3	649.5	343.1	(NA)	474.2	1 389.4	(NA)	(NA)	(NA)
1927	1 837	(NA)	322.4	509.4	255.8	(NA)	356.4	1 049.4	(NA)	(NA)	(NA)
1925[12]	1 807	(NA)	308.6	463.0	251.2	(NA)	338.0	939.5	(NA)	(NA)	(NA)
1923	1 782	(NA)	331.5	473.8	255.4	(NA)	330.4	806.4	(NA)	(NA)	(NA)
1921	1 487	(NA)	239.9	338.9	179.1	(NA)	216.0	547.1	(NA)	(NA)	(NA)
1919	1 570	(NA)	305.2	379.0	241.1	(NA)	272.2	671.7	(NA)	(NA)	(NA)
1914	1 048	(NA)	155.7	117.9	127.5	(NA)	80.1	200.5	(NA)	(NA)	(NA)
1909	1 027	(NA)	111.1	73.4	92.5	(NA)	52.2	121.4	(NA)	(NA)	(NA)
1904[13]	798	(NA)	75.0	45.3	63.9	(NA)	33.5	80.0	(NA)	(NA)	(NA)
1899[13]	592	(NA)	48.5	26.0	43.3	(NA)	21.2	44.4	(NA)	(NA)	(NA)

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1]The figures for 1939 through 1967 include data for employees of manufacturing establishments who are engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2]For the period 1954 to 1967, figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year. See Introduction, "Value Added by Manufacture."

[3]The total value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry classification. For a more complete explanation, see Introduction.

[4]The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5]Data for 1947, 1954, and later years, exclude establishments primarily engaged in the manufacture of automatic temperature controls, whereas data for 1949 to 1953 include these establishments.

[6]In addition to data for operating establishments, figures for employment and payroll for manufacturing central administrative offices and auxiliary units are shown for the years 1949 to 1953 in the annual survey of manufactures volumes. Data for these units are not available for the years 1955 to 1957, 1959 to 1962, 1964 to 1966, and prior to 1949.

[7]Figures for 1958 to 1963, for operating manufacturing establishments are not strictly comparable with prior years due to revisions of the Standard Industrial Classification System.. Prior to 1958, data excludes establishments primarily engaged in the manufacture of household ranges and ovens; household refrigerators and home and farm freezers; household laundry equipment; household vacuum cleaners; sewing machines; water heaters, except electric; and other household appliances. Establishments primarily engaged in the manufacture of hearing aids; high frequency, induction, and dielectric heating apparatus; commercial food warming equipment; industrial electric heating units and devices; and insulated wire and cable made from purchased wire, are included in data prior to 1958.

[8]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[9]Data for 1939 and earlier years exclude establishments primarily engaged in the manufacture of electric (dry) shavers.

[10]Figures for 1937 and earlier years include data for establisments primarily engaged in the manufacture of vacuum cleaners, turbo-generators and water-wheel generator sets, dictating machines and electric industrial furnaces and ovens. Value added for 1939 on a basis comparable with earlier years was $1,000 million.

[11]The figures for 1933 and earlier years include data for establishments primarily engaged in the manufacture of certain types of beauty and barber-shop equipment classified for later years in the "Miscellaneous manufactures" industries.

[12]The figures for 1925 and earlier years include data for establishments primarily engaged in the manufacture of certain types of mechanical refrigerators, classified for later years in the machinery (except electrical) industries.

[13]The figures for 1899 and 1904 include data for establishments primarily engaged in the manufacture of signs and advertising novelties, classified for later years in the "Miscellaneous manufactures" industries.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
36	ELECTRICAL EQUIP. AND SUPPLIES	10 706	5 572	1 874.9	12 968.0	1 323.8	2 611.3	7 607.0	24 487.3	19 437.3	43 361.0	1 537.2	1 511.8	17 010.7
	NORTHEAST REGION	4 120	2 184	671.2	4 815.9	456.1	899.3	2 665.7	8 688.8	6 554.5	15 058.0	524.1	582.0	6 131.0
	NEW ENGLAND DIVISION	1 060	630	189.1	1 253.1	130.7	257.5	705.7	2 396.5	1 633.0	3 972.1	146.6	161.3	1 654.5
	MAINE	24	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	10.7
	NEW HAMPSHIRE	71	44	15.9	95.2	11.8	23.0	61.9	183.2	106.3	279.9	9.9	11.5	100.9
	VERMONT	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	19.9
	MASSACHUSETTS	567	338	106.9	733.8	73.9	144.9	416.3	1 337.0	855.0	2 163.1	87.0	96.2	985.8
	RHODE ISLAND	51	32	8.3	48.4	5.6	10.5	24.6	88.8	71.5	160.4	3.6	6.8	61.6
	CONNECTICUT	337	194	48.8	319.3	33.3	66.8	176.2	639.0	398.3	1 023.4	29.5	42.9	475.5
	MIDDLE ATLANTIC DIVISION	3 060	1 554	482.1	3 562.8	325.4	641.8	1 960.0	5 292.3	4 921.6	11 085.9	377.5	420.7	4 476.5
	NEW YORK	1 545	716	212.8	1 607.1	135.8	270.9	815.7	2 647.9	2 559.0	5 182.4	159.7	186.0	1 959.6
	NEW JERSEY	858	431	129.6	975.6	90.1	175.3	563.7	1 671.5	1 053.0	2 684.5	84.6	127.7	1 314.7
	PENNSYLVANIA	657	407	139.7	980.1	99.5	195.6	580.6	1 972.9	1 309.5	3 219.0	133.3	107.0	1 202.2
	NORTH CENTRAL REGION	2 848	1 648	656.6	4 347.6	498.5	972.7	2 885.2	8 568.3	7 789.7	16 255.8	517.3	529.6	6 238.2
	EAST NORTH CENTRAL DIVISION	2 355	1 376	560.7	3 729.4	429.1	833.3	2 510.3	7 316.6	6 799.4	14 042.3	431.9	458.5	5 443.7
	OHIO	513	300	129.9	926.2	98.9	196.9	630.7	1 979.2	1 563.4	3 525.1	119.7	117.2	1 547.6
	INDIANA	273	168	121.7	817.5	99.1	189.0	592.4	1 655.3	1 558.9	3 189.6	94.1	91.1	1 125.7
	ILLINOIS	951	564	211.6	1 388.5	160.8	309.1	857.2	2 445.3	2 583.9	5 009.3	137.3	168.2	1 797.7
	MICHIGAN	392	199	45.9	309.7	34.9	68.0	212.6	539.5	633.9	1 180.7	39.0	32.2	376.3
	WISCONSIN	226	145	51.9	367.4	35.5	70.2	217.3	697.3	459.2	1 137.4	42.0	49.8	596.3
	WEST NORTH CENTRAL DIVISION	493	272	96.0	618.2	69.3	139.5	375.0	1 251.8	990.2	2 213.5	85.3	71.1	794.5
	MINNESOTA	155	86	24.8	177.7	16.6	33.3	96.0	328.5	256.3	573.2	19.0	19.0	225.3
	IOWA	66	37	26.9	167.0	19.2	38.1	100.8	373.5	317.7	681.7	15.2	19.6	252.6
	MISSOURI	178	107	32.8	207.8	24.8	51.1	134.8	427.7	325.9	747.1	29.4	24.1	227.4
	SOUTH DAKOTA	9	5	.8	3.7	.7	1.3	2.4	6.9	3.7	10.0	.2	(D)	(D)
	NEBRASKA	32	15	7.2	43.1	5.3	10.2	28.3	80.7	61.6	142.2	(D)	5.3	64.4
	KANSAS	52	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	1 481	765	289.5	1 771.3	210.8	422.0	1 056.4	3 724.6	3 242.1	6 908.8	309.9	189.6	2 250.3
	SOUTH ATLANTIC DIVISION	705	393	141.0	898.9	97.1	193.5	495.3	1 730.9	1 295.8	3 009.0	120.2	98.2	1 104.0
	DELAWARE	12	7	.8	4.4	.7	1.3	3.2	7.3	9.7	16.5	.4	.5	8.4
	MARYLAND	125	73	32.2	262.5	18.4	37.2	115.6	367.2	306.3	660.3	21.9	26.9	312.6
	VIRGINIA	79	53	22.4	137.9	15.7	31.7	78.4	299.9	175.2	482.3	13.0	16.9	180.7
	WEST VIRGINIA	28	15	6.3	37.6	5.2	10.2	28.7	91.5	67.9	158.6	9.4	4.5	62.4
	NORTH CAROLINA	119	78	34.3	185.6	26.7	52.2	124.1	449.6	375.0	831.7	32.9	23.2	279.2
	SOUTH CAROLINA	40	29	11.0	48.7	8.8	17.1	32.4	108.2	81.1	185.9	12.5	5.6	33.0
	GEORGIA	62	35	8.6	52.8	6.3	12.7	33.7	125.5	131.4	258.0	10.9	5.4	73.3
	FLORIDA	229	100	25.2	168.8	15.2	31.0	78.8	280.1	148.5	413.4	19.3	15.1	153.3
	EAST SOUTH CENTRAL DIVISION	299	181	80.4	441.2	66.0	128.4	312.7	1 230.9	1 216.4	2 446.8	75.3	48.2	667.6
	KENTUCKY	76	52	31.4	183.7	26.9	51.1	141.2	549.0	421.9	973.6	36.5	21.3	350.2
	TENNESSEE	134	72	31.6	157.5	25.9	50.9	108.6	478.2	608.5	1 082.5	25.3	17.5	230.4
	ALABAMA	48	22	7.4	55.1	4.9	9.6	29.6	106.5	68.9	176.5	7.6	3.8	37.5
	MISSISSIPPI	41	35	9.9	44.8	8.3	16.8	33.4	96.4	117.1	214.2	6.0	5.6	49.4
	WEST SOUTH CENTRAL DIVISION	477	191	68.1	431.2	47.8	100.1	248.4	763.6	729.9	1 453.0	114.3	43.2	478.9
	ARKANSAS	49	33	11.6	53.2	10.0	19.5	40.3	150.7	170.8	301.0	17.6	7.6	79.2
	LOUISIANA	36	8	2.7	15.1	2.0	3.8	8.8	29.9	48.1	73.0	31.2	.3	2.4
	OKLAHOMA	52	20	7.9	50.1	6.0	11.8	33.9	89.7	92.3	182.1	6.2	9.5	105.8
	TEXAS	340	130	45.8	312.9	29.8	65.1	165.4	493.3	418.8	896.9	59.3	25.8	291.5
	WEST REGION	2 257	975	257.3	2 032.9	158.5	317.2	999.7	3 505.3	1 851.3	5 138.2	186.1	211.5	2 424.4
	MOUNTAIN DIVISION	225	85	31.1	208.2	20.3	39.7	103.2	390.7	174.3	550.9	23.8	15.0	147.0
	IDAHO	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	90	35	8.0	48.0	5.8	10.4	24.9	105.7	61.6	164.5	8.9	3.5	43.3
	NEW MEXICO	27	9	1.2	6.5	1.0	2.1	4.5	8.9	5.6	14.2	.6	.4	3.1
	ARIZONA	66	28	19.0	137.5	11.1	22.5	61.8	234.2	77.6	303.4	13.1	9.1	86.4
	UTAH	29	10	2.5	14.6	2.0	4.1	10.7	39.9	27.1	64.4	1.1	1.7	12.2
	NEVADA	7	1	.2	.8	.1	.3	.6	.2	1.1	1.3	(D)	.3	1.6
	PACIFIC DIVISION	2 032	890	226.2	1 824.7	138.2	277.5	896.5	3 114.7	1 677.0	4 587.3	162.3	196.5	2 277.4
	WASHINGTON	98	33	5.3	36.8	3.3	6.4	18.9	65.1	39.2	101.3	4.8	2.7	29.7
	OREGON	70	23	8.8	62.2	5.9	10.9	34.3	115.0	61.8	176.2	5.8	5.8	55.4
	CALIFORNIA	1 853	834	212.1	1 725.6	129.0	260.1	843.2	2 934.3	1 575.8	4 309.3	151.7	188.0	2 192.1
361	ELECTRIC TEST, DISTRIBUTING EQUIP.	1 218	679	175.7	1 229.5	124.1	247.7	737.4	2 508.9	1 598.5	4 062.4	145.6	132.1	1 534.7
	NORTHEAST REGION	430	238	70.4	527.6	48.8	97.8	317.7	1 038.1	626.4	1 647.0	59.1	58.2	664.8
	NEW ENGLAND DIVISION	116	68	20.7	147.5	14.0	28.5	84.4	310.6	168.2	472.3	28.8	16.3	200.3
	MAINE	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	16	10	3.3	18.9	2.5	5.0	12.3	46.5	19.7	66.5	1.3	2.8	39.0
	MASSACHUSETTS	59	31	11.6	90.9	7.5	15.7	51.4	184.8	90.7	268.4	22.0	9.8	124.3
	RHODE ISLAND	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	35	23	5.4	36.2	3.7	7.2	19.6	75.6	55.7	131.7	2.8	(D)	(D)
	MIDDLE ATLANTIC DIVISION	314	170	49.7	380.1	34.8	69.3	233.3	727.5	458.2	1 174.7	30.2	41.9	464.5
	NEW YORK	127	65	7.6	48.8	5.4	11.1	30.3	90.8	65.0	154.1	4.8	7.3	71.0
	NEW JERSEY	114	55	11.0	76.6	7.5	14.8	43.1	134.1	82.5	218.0	5.4	10.3	112.4
	PENNSYLVANIA	73	50	31.0	254.7	21.9	43.4	160.0	502.6	310.7	802.6	20.1	24.4	281.1

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
361	ELECTRIC TEST, DISTRIBUTING EQUIPMENT--CONTINUED													
	NORTH CENTRAL REGION	361	206	51.8	339.6	38.1	77.0	214.4	704.6	445.4	1 141.3	30.5	38.8	422.1
	EAST NORTH CENTRAL DIVISION	310	180	43.7	290.5	31.7	63.5	179.8	569.0	375.6	939.4	27.0	32.3	367.3
	OHIO	80	47	8.5	54.7	6.1	12.4	33.9	122.6	78.1	197.5	4.0	6.1	78.8
	INDIANA	27	14	6.4	45.7	4.7	9.8	29.8	89.2	50.2	140.5	2.9	4.2	50.1
	ILLINOIS	117	68	19.8	122.3	14.7	29.1	75.8	226.2	153.4	378.7	12.5	15.2	161.7
	MICHIGAN	56	29	4.0	30.6	2.8	5.6	18.2	52.0	41.6	92.6	2.3	2.6	30.0
	WISCONSIN	30	22	5.0	37.3	3.5	6.6	22.1	79.0	52.4	130.2	5.3	4.3	46.8
	WEST NORTH CENTRAL DIVISION[e]	51	26	8.1	49.1	6.4	13.6	34.6	135.7	69.8	201.8	3.5	6.5	54.8
	MINNESOTA	14	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI[e]	20	13	5.6	34.5	4.4	9.7	24.9	83.3	53.6	134.3	2.5	4.5	26.4
	SOUTH DAKOTA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	176	90	22.3	130.5	16.9	34.4	85.2	314.8	259.3	567.4	20.9	13.5	176.5
	SOUTH ATLANTIC DIVISION	69	42	13.0	77.0	9.5	19.1	48.8	186.4	147.9	328.8	11.2	7.6	103.9
	MARYLAND	16	9	.9	6.3	.4	.8	1.9	11.5	8.0	18.7	.4	.5	4.0
	VIRGINIA	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	10	6	3.6	18.5	3.0	6.0	14.1	59.1	31.1	89.1	1.0	2.1	41.0
	SOUTH CAROLINA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	16	14	5.8	36.6	4.0	8.2	22.6	87.6	82.6	167.3	8.9	3.5	46.9
	FLORIDA	15	8	1.2	8.6	.8	1.6	5.0	13.5	10.4	24.4	.4	.3	2.6
	EAST SOUTH CENTRAL DIVISION	37	19	5.5	28.5	4.7	9.5	21.9	72.2	57.8	132.3	1.2	3.3	43.0
	KENTUCKY	9	7	3.1	17.4	2.6	5.1	13.0	46.3	27.9	75.9	.3	2.3	31.3
	TENNESSEE	13	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	7.2
	MISSISSIPPI	7	7	1.8	7.8	1.6	3.6	6.6	14.9	21.7	37.4	.6	.5	4.0
	WEST SOUTH CENTRAL DIVISION	70	29	3.8	25.0	2.7	5.8	14.5	56.2	53.5	106.3	8.5	2.6	29.7
	ARKANSAS	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	55	23	3.1	21.1	2.2	4.7	11.9	46.7	41.8	85.8	6.3	1.6	20.3
	WEST REGION	251	145	31.2	231.7	20.3	38.6	120.0	451.4	267.4	706.7	35.2	21.5	267.6
	MOUNTAIN DIVISION	28	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	29.9
	COLORADO	22	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	223	132	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	19.5	237.7
	WASHINGTON	16	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.4
	OREGON	16	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	190	115	19.5	148.7	12.8	25.1	79.4	284.2	181.0	453.9	26.0	14.0	184.5
362	ELECTRICAL INDUSTRIAL APPARATUS	1 316	705	206.1	1 420.4	152.7	307.5	925.0	2 791.7	1 862.9	4 623.7	208.6	161.0	1 889.2
	NORTHEAST REGION	401	219	58.1	404.4	41.9	85.0	257.4	798.5	560.6	1 348.2	70.2	46.5	558.0
	NEW ENGLAND DIVISION	107	58	10.5	61.4	7.1	14.0	37.2	124.8	92.8	213.1	5.1	6.0	61.0
	MAINE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	10	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	38	23	4.8	27.5	3.4	6.9	17.4	51.0	29.5	79.8	2.7	2.0	17.8
	CONNECTICUT	53	27	4.8	29.7	2.9	5.7	16.5	66.8	58.9	121.4	2.3	3.4	39.3
	MIDDLE ATLANTIC DIVISION	294	161	47.6	343.0	34.8	71.0	220.2	673.7	467.7	1 135.1	65.0	40.5	497.0
	NEW YORK	134	70	27.1	207.9	20.2	41.2	136.5	408.2	294.8	700.3	45.8	22.3	277.2
	NEW JERSEY	71	32	5.2	32.1	3.7	7.5	19.6	54.0	43.4	97.0	2.0	5.8	50.1
	PENNSYLVANIA	89	59	15.3	102.9	11.0	22.3	64.2	211.5	129.5	337.8	17.2	12.4	169.8
	NORTH CENTRAL REGION	516	310	103.2	741.5	76.8	154.1	491.7	1 374.4	884.1	2 252.6	88.5	89.5	1 037.0
	EAST NORTH CENTRAL DIVISION	447	270	91.8	663.9	68.1	136.4	438.9	1 241.1	781.8	2 020.9	78.6	80.4	954.5
	OHIO	115	68	34.7	272.5	25.6	52.2	182.1	493.7	331.2	827.6	32.5	30.6	374.2
	INDIANA	46	29	14.4	90.9	11.5	22.1	64.7	166.5	108.8	278.2	11.4	11.6	124.4
	ILLINOIS	123	71	11.9	73.5	8.8	16.7	43.2	145.1	106.0	249.8	8.0	10.0	110.4
	MICHIGAN	106	64	8.7	63.2	6.3	13.4	40.2	109.0	79.8	189.4	4.0	7.5	73.2
	WISCONSIN	57	38	22.2	163.8	15.8	31.9	108.7	326.6	156.0	475.9	22.7	20.6	272.3
	WEST NORTH CENTRAL DIVISION	69	40	11.4	77.6	8.7	17.8	52.8	133.4	102.4	231.6	9.9	9.1	82.5
	MINNESOTA	28	17	4.8	36.2	3.4	7.2	23.3	73.0	52.9	123.5	6.9	3.4	39.1
	IOWA	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	29	19	6.1	38.2	4.8	9.8	27.7	54.9	44.3	97.9	2.6	5.4	40.7
	NEBRASKA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	163	87	32.2	180.5	25.2	50.4	121.8	442.7	289.9	722.7	43.1	16.7	207.4
	SOUTH ATLANTIC DIVISION	71	36	16.6	98.4	11.8	23.8	58.1	229.1	135.6	360.6	17.2	9.4	120.7
	MARYLAND	9	6	1.3	7.5	1.1	2.2	5.2	21.0	22.8	41.4	3.2	1.1	10.9
	VIRGINIA	12	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	12	5	1.2	9.5	.9	2.0	7.0	25.2	15.2	39.7	6.9	(D)	(D)
	NORTH CAROLINA	12	9	3.6	18.3	2.7	5.7	12.4	40.3	24.0	63.2	2.0	2.1	27.3
	SOUTH CAROLINA	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	14	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	33	24	10.0	52.8	8.9	17.4	43.3	146.9	86.8	228.6	18.4	3.3	48.6
	KENTUCKY	10	9	3.5	16.5	3.3	6.1	14.1	48.9	24.5	69.5	14.0	(D)	(D)
	TENNESSEE	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	39.3
	ALABAMA	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

[1] See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
362	ELECTRICAL INDUSTRIAL APPARATUS--CONTINUED													
	WEST SOUTH CENTRAL DIVISION	59	27	5.6	29.4	4.5	9.1	20.4	66.7	67.5	133.5	7.5	3.9	38.1
	ARKANSAS	11	11	3.8	17.6	3.5	7.1	14.6	44.2	40.7	85.9	6.3	(D)	(D)
	OKLAHOMA	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.5
	TEXAS	37	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.4
	WEST REGION	236	89	13.2	93.9	8.8	18.1	54.1	176.0	128.3	300.2	6.9	8.5	87.6
	MOUNTAIN DIVISION	26	5	1.3	6.1	.9	1.9	4.2	12.2	6.1	18.5	.2	1.1	9.1
	COLORADO	13	4	1.0	4.6	.7	1.5	3.2	10.5	4.2	14.7	.2	.9	7.8
	ARIZONA	6	1	.2	1.0	.2	.4	.7	.8	.6	1.5	(D)	.1	.7
	PACIFIC DIVISION	210	84	12.0	87.8	7.9	16.1	49.9	163.8	122.2	281.7	6.6	7.5	78.5
	WASHINGTON	13	6	.4	2.6	.3	.5	1.8	3.7	4.7	8.4	.6	.1	2.0
	CALIFORNIA	185	77	11.5	84.3	7.5	15.5	47.8	158.2	116.3	270.2	5.9	7.3	76.0
363	HOUSEHOLD APPLIANCES	637	337	169.2	1 100.5	135.2	262.1	788.2	2 540.3	2 813.4	5 328.4	125.1	145.9	2 097.9
	NORTHEAST REGION	223	98	25.1	154.7	19.5	38.0	104.1	355.9	253.0	606.3	14.6	24.9	326.9
	NEW ENGLAND DIVISION	46	29	7.7	45.3	6.1	11.8	31.4	143.8	74.3	216.3	4.0	9.5	161.2
	MASSACHUSETTS	22	14	2.2	11.6	1.7	3.0	7.4	31.5	18.0	46.2	.6	(D)	(D)
	RHODE ISLAND	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	16	12	5.2	32.2	4.2	8.3	22.9	109.3	51.3	162.3	3.3	7.9	140.7
	MIDDLE ATLANTIC DIVISION	177	69	17.4	109.4	13.4	26.2	72.7	212.1	178.6	390.0	10.6	15.4	165.7
	NEW YORK	121	44	7.9	44.5	6.3	12.4	30.1	92.7	95.3	188.5	3.0	7.2	71.3
	NEW JERSEY	32	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	38.1
	PENNSYLVANIA	24	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	56.3
	NORTH CENTRAL REGION	212	130	101.5	706.8	80.8	155.8	510.9	1 513.3	1 877.2	3 368.0	76.1	88.1	1 303.9
	EAST NORTH CENTRAL DIVISION	169	104	88.9	632.0	70.1	134.6	452.8	1 307.9	1 666.0	2 952.4	67.2	79.4	1 168.8
	OHIO	40	25	34.6	271.7	27.0	53.7	196.1	632.0	640.4	1 254.8	34.5	32.1	536.0
	INDIANA	16	8	12.7	83.8	10.8	20.0	65.4	159.9	295.8	454.3	16.3	9.3	151.3
	ILLINOIS	58	39	25.6	170.4	20.0	37.7	118.9	313.9	424.8	732.9	11.1	24.0	293.8
	MICHIGAN	29	14	10.0	64.4	8.2	14.7	47.2	112.4	209.2	325.6	2.8	7.6	109.7
	WISCONSIN	26	18	5.9	41.7	4.2	8.4	25.2	89.7	95.8	184.7	2.5	6.4	78.0
	WEST NORTH CENTRAL DIVISION	43	26	12.6	74.8	10.7	21.2	58.1	205.4	211.2	415.6	8.9	8.7	135.1
	MINNESOTA	12	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	84.7
	MISSOURI	17	14	4.2	19.4	3.7	7.7	15.5	41.0	45.2	85.7	2.9	(D)	(D)
	SOUTH REGION	126	80	36.3	196.9	30.4	59.6	147.0	569.5	591.9	1 162.2	30.8	25.6	366.7
	SOUTH ATLANTIC DIVISION	51	27	8.2	36.5	6.8	13.4	26.7	97.8	113.3	216.7	4.4	3.4	30.5
	DELAWARE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	14	10	5.5	25.0	4.6	9.0	18.9	66.1	76.6	147.9	3.2	(D)	(D)
	SOUTH CAROLINA	8	5	1.1	4.4	.9	1.9	2.9	18.0	17.1	34.2	.2	(D)	(D)
	GEORGIA	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA[3]	11	3	.2	.8	.2	.3	.4	2.3	2.0	4.7	.1	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	48	42	24.7	145.5	20.9	40.8	110.0	420.1	426.2	853.4	24.0	19.0	308.2
	KENTUCKY	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	28	25	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.3	63.6
	MISSISSIPPI	9	9	2.9	11.2	2.3	4.6	8.1	18.7	32.1	49.8	.6	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	27	11	3.3	15.0	2.8	5.4	10.4	51.6	52.4	92.1	2.4	3.1	28.0
	ARKANSAS	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	13	5	.4	2.2	.4	.7	1.4	4.9	5.4	10.1	(D)	(D)	(D)
	WEST REGION	76	29	6.3	42.1	4.4	8.7	26.1	101.6	91.2	191.8	3.6	7.3	105.7
	MOUNTAIN DIVISION	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	.2
	COLORADO	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	70	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.2	105.6
	WASHINGTON	8	3	.2	1.0	.1	.3	.7	3.2	2.9	5.8	(D)	.3	3.0
	OREGON	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	2.6
	CALIFORNIA	56	20	5.5	37.5	3.9	7.7	23.9	86.3	79.7	165.5	(D)	6.8	100.0
364	ELECT. LIGHTING, AND WIRING EQUIP.	1 868	879	157.1	950.4	123.1	242.3	641.9	2 214.1	1 649.4	3 850.3	130.9	133.0	1 559.6
	NORTHEAST REGION	853	413	73.1	431.2	57.1	113.0	288.8	961.1	703.4	1 655.6	47.1	66.5	708.1
	NEW ENGLAND DIVISION	161	89	22.3	131.3	17.7	34.9	91.9	302.1	207.9	508.6	18.0	20.2	208.1
	NEW HAMPSHIRE	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VERMONT	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	85	47	10.5	60.2	8.1	16.2	41.6	153.1	116.1	268.1	11.0	(D)	(D)
	RHODE ISLAND	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	58	30	8.2	53.0	6.6	13.0	36.9	110.8	60.0	170.1	5.5	7.1	80.7
	MIDDLE ATLANTIC DIVISION	692	324	50.7	299.8	39.5	78.1	197.0	659.0	495.5	1 147.0	29.1	46.4	500.0
	NEW YORK	395	154	21.0	122.6	16.1	30.8	77.6	239.8	200.0	436.5	12.5	19.0	179.6
	NEW JERSEY	153	80	15.8	97.9	12.0	24.3	62.4	206.6	136.3	336.7	9.7	14.2	157.4
	PENNSYLVANIA	144	90	14.0	79.3	11.4	23.0	56.9	212.5	159.1	373.8	6.9	13.1	163.0

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
364	ELECT. LIGHTING, AND WIRING EQUIP.--CONTINUED													
	NORTH CENTRAL REGION	473	254	51.0	331.9	39.6	78.1	223.9	751.1	546.7	1 297.3	54.0	44.6	570.6
	EAST NORTH CENTRAL DIVISION	398	216	45.2	291.7	35.4	69.6	199.2	661.6	477.6	1 138.4	34.2	39.6	501.3
	OHIO	101	65	16.0	99.9	13.1	25.2	73.4	252.1	171.4	425.1	11.8	13.6	201.7
	INDIANA	39	19	8.0	60.2	6.3	12.8	43.2	129.7	80.3	209.2	6.7	6.6	89.4
	ILLINOIS	190	103	17.9	110.8	13.5	26.9	69.3	241.9	177.8	416.2	12.8	16.2	180.5
	MICHIGAN	42	17	1.7	10.6	1.3	2.7	7.5	21.3	31.1	54.2	1.6	(D)	(D)
	WISCONSIN	26	12	1.7	10.1	1.1	2.1	5.7	16.5	17.0	33.6	1.3	(D)	(D)
	WEST NORTH CENTRAL DIVISION	75	38	5.8	40.3	4.3	8.5	24.7	89.5	69.1	158.9	19.8	5.0	69.3
	MINNESOTA	19	9	.9	6.8	.8	1.5	5.1	14.9	7.8	22.4	.4	.6	14.0
	MISSOURI	44	26	4.7	32.3	3.3	6.6	18.9	72.2	59.8	132.7	(D)	4.3	54.0
	SOUTH REGION	208	92	22.2	119.1	17.9	35.0	84.7	359.7	284.8	643.5	23.5	13.2	182.3
	SOUTH ATLANTIC DIVISION	95	40	9.4	53.4	7.5	14.9	36.9	146.9	129.8	278.2	9.8	5.5	80.7
	MARYLAND	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	5	5	3.4	19.5	2.9	5.5	15.7	54.5	41.7	96.7	2.0	2.5	36.8
	NORTH CAROLINA	19	8	2.3	13.4	1.7	3.6	8.3	39.8	34.9	74.0	5.1	(D)	(D)
	SOUTH CAROLINA	7	5	1.1	5.2	.8	1.6	2.7	14.0	7.8	21.4	1.3	(D)	(D)
	GEORGIA	12	7	1.5	8.9	1.1	2.2	5.6	22.0	24.3	48.4	1.1	(D)	(D)
	FLORIDA	35	10	.8	4.0	.7	1.4	3.0	9.5	5.9	15.4	.2	.4	3.0
	EAST SOUTH CENTRAL DIVISION	49	32	10.3	52.9	8.5	16.4	39.4	169.1	121.5	289.1	12.5	5.9	77.0
	KENTUCKY	18	13	3.2	16.1	2.5	4.9	11.2	57.8	41.1	98.5	1.8	2.4	27.9
	TENNESSEE	12	4	2.9	14.6	2.5	4.7	11.5	54.2	27.5	80.3	5.9	(D)	(D)
	ALABAMA	10	7	1.8	10.2	1.5	2.8	7.5	19.8	15.3	35.4	2.2	(D)	(D)
	MISSISSIPPI	9	8	2.4	12.1	2.1	4.0	9.3	37.3	37.6	74.9	2.6	1.4	22.3
	WEST SOUTH CENTRAL DIVISION	64	20	2.4	12.8	1.9	3.7	8.4	43.7	33.9	76.2	1.1	1.7	24.6
	ARKANSAS	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	42	15	1.5	7.9	1.0	2.0	4.6	18.7	23.2	41.6	1.1	.8	9.9
	WEST REGION	334	120	10.9	68.2	8.3	16.2	44.4	142.2	114.5	253.8	6.4	8.8	100.7
	MOUNTAIN DIVISION	23	4	.5	2.8	.4	.7	1.8	6.6	5.0	11.3	.3	.2	2.4
	COLORADO	11	2	.4	2.0	.3	.5	1.3	3.8	3.2	6.9	.2	.2	1.7
	PACIFIC DIVISION	311	116	10.4	65.3	8.0	15.5	42.6	135.6	109.4	242.6	6.1	8.5	98.4
	WASHINGTON	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	294	112	9.6	60.5	7.4	14.3	39.3	127.1	103.1	227.7	(D)	7.9	92.6
365	RADIO AND TV RECEIVING EQUIPMENT	661	260	130.2	720.1	107.2	205.6	516.6	1 586.7	2 581.2	4 122.7	93.2	90.8	1 037.3
	NORTHEAST REGION	265	99	34.4	202.6	27.1	52.6	137.1	379.0	571.7	948.1	27.1	28.5	306.8
	NEW ENGLAND DIVISION	35	14	3.0	14.1	2.5	4.5	10.1	36.6	45.2	81.1	.4	2.8	23.1
	MASSACHUSETTS	18	7	2.5	11.7	2.1	3.9	8.8	31.4	42.3	73.1	.3	1.8	15.9
	CONNECTICUT	13	5	.3	1.8	.2	.4	1.0	2.9	2.3	5.2	.1	(D)	(D)
	MIDDLE ATLANTIC DIVISION	230	85	31.4	188.4	24.6	48.1	127.0	342.4	526.5	867.0	26.7	25.6	283.7
	NEW YORK	156	47	16.3	101.4	12.4	24.2	65.4	163.0	273.5	434.1	12.0	14.1	163.5
	NEW JERSEY	47	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.1	80.0
	PENNSYLVANIA	27	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	40.2
	NORTH CENTRAL REGION	165	95	70.5	391.1	60.2	114.1	299.2	829.7	1 440.9	2 250.0	47.2	50.9	569.3
	EAST NORTH CENTRAL DIVISION	143	82	66.7	374.3	57.0	108.0	287.0	797.1	1 395.2	2 176.3	(D)	48.6	561.4
	OHIO	16	4	1.0	5.1	.7	1.5	2.7	7.7	13.3	21.8	.2	1.1	9.4
	INDIANA	18	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.8	238.4
	ILLINOIS	77	49	38.8	209.0	33.7	64.0	165.4	388.8	844.7	1 243.8	16.3	29.3	303.2
	MICHIGAN	23	10	3.9	23.2	2.9	5.5	14.7	37.0	39.7	73.6	(D)	(D)	(D)
	WISCONSIN	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	22	13	3.8	16.8	3.2	6.1	12.2	32.7	45.7	73.6	(D)	2.3	17.2
	MINNESOTA	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	6	6	2.0	8.0	1.7	3.2	6.0	13.3	17.1	30.1	(D)	1.2	7.8
	MISSOURI	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	96	29	18.5	84.4	14.9	28.5	55.9	290.3	504.8	775.8	15.8	5.7	85.6
	SOUTH ATLANTIC DIVISION	28	8	4.5	23.0	3.8	7.8	16.8	55.3	85.5	135.5	8.3	(D)	(D)
	MARYLAND	5	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	10	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	31	10	8.7	39.8	6.8	13.1	25.1	198.0	344.9	539.4	5.1	(D)	(D)
	KENTUCKY	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	23	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION[3]	37	11	5.3	21.6	4.2	7.6	14.0	37.0	74.4	100.9	2.4	(D)	(D)
	ARKANSAS	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA[e]	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS[e]	23	7	2.1	8.4	1.8	3.2	5.3	15.1	9.6	24.3	.5	(D)	(D)
	WEST REGION[e]	135	37	6.9	42.0	5.2	10.4	24.4	87.7	63.9	148.8	3.0	5.9	66.1
	PACIFIC DIVISION[e]	121	35	6.8	41.6	5.1	10.3	24.2	87.0	63.2	147.4	3.0	5.9	65.8
	CALIFORNIA[e]	116	35	6.8	41.5	5.1	10.3	24.1	86.7	63.1	147.1	3.0	5.9	65.8

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
366	COMMUNICATION EQUIPMENT	1 402	845	525.3	4 396.7	304.5	606.4	2 050.0	6 992.5	4 516.1	11 147.0	356.9	476.8	5 341.5
	NORTHEAST REGION	574	357	200.3	1 775.2	113.7	225.7	814.6	2 747.2	1 719.0	4 341.1	120.5	194.6	2 095.7
	NEW ENGLAND DIVISION	170	115	54.7	441.7	32.0	64.2	209.9	767.7	485.7	1 226.2	31.3	51.5	564.8
	MAINE	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	12	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	102	72	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	40.7	458.2
	RHODE ISLAND	4	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	48	33	9.2	72.5	5.1	10.8	29.4	122.0	72.1	177.1	6.3	6.8	72.8
	MIDDLE ATLANTIC DIVISION	404	242	145.5	1 333.5	81.7	161.5	604.7	1 979.5	1 233.3	3 114.9	89.2	143.1	1 530.9
	NEW YORK	205	126	69.1	641.2	35.6	72.2	258.4	888.3	551.9	1 423.7	30.5	73.7	812.5
	NEW JERSEY	123	72	53.5	492.1	33.8	65.5	269.4	762.5	460.7	1 186.2	33.9	57.9	612.5
	PENNSYLVANIA	76	44	22.8	200.2	12.3	23.9	76.9	328.7	220.7	505.0	24.8	11.5	105.9
	NORTH CENTRAL REGION	255	144	125.8	917.1	80.3	156.0	489.7	1 535.3	1 153.9	2 644.6	89.4	108.7	1 206.3
	EAST NORTH CENTRAL DIVISION	202	114	91.7	663.2	60.2	115.2	370.9	1 115.9	794.4	1 880.5	67.1	82.9	913.2
	OHIO	45	25	14.1	90.2	9.7	18.6	52.8	165.5	121.5	287.6	8.7	15.1	150.9
	INDIANA	24	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	13.0	125.0
	ILLINOIS	90	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	43.6	512.8
	MICHIGAN	35	16	3.1	21.1	1.8	3.7	11.3	45.1	37.6	82.5	3.1	2.0	18.3
	WISCONSIN	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.3	106.1
	WEST NORTH CENTRAL DIVISION	53	30	34.1	253.9	20.1	40.8	118.8	419.4	359.5	764.1	22.3	25.8	293.1
	MINNESOTA	14	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	17	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	5	5	4.4	30.1	3.4	6.4	21.2	55.2	52.4	107.7	(D)	(D)	(D)
	KANSAS	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	209	140	92.7	704.4	54.3	110.9	328.1	1 130.1	883.5	1 998.0	98.6	71.0	831.3
	SOUTH ATLANTIC DIVISION	111	79	55.8	434.0	31.5	62.7	193.7	674.8	460.5	1 131.1	32.2	48.5	549.1
	MARYLAND	35	28	24.1	210.1	12.7	25.3	85.9	271.9	195.7	467.2	12.4	22.4	270.3
	VIRGINIA	17	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	38	24	14.2	104.3	7.5	15.3	42.9	168.1	91.7	246.1	10.3	10.1	112.9
	EAST SOUTH CENTRAL DIVISION	22	15	9.1	60.8	5.9	11.3	28.6	112.6	97.5	210.8	7.4	5.3	48.1
	KENTUCKY	6	4	.3	1.5	.3	.5	1.1	3.1	4.3	7.2	.3	(D)	(D)
	TENNESSEE	12	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	76	46	27.8	209.6	16.8	36.9	105.9	342.7	325.6	656.1	58.9	17.2	234.1
	ARKANSAS	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA	7	5	6.0	39.1	4.7	9.2	27.5	72.0	69.8	142.4	(D)	(D)	(D)
	TEXAS	58	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	364	204	106.4	999.9	56.2	113.8	417.6	1 580.0	759.7	2 163.3	48.4	102.4	1 220.9
	MOUNTAIN DIVISION	36	20	8.3	66.9	5.6	11.0	35.3	119.1	67.9	175.9	3.5	4.6	43.6
	COLORADO	9	4	.8	4.1	.6	1.2	2.8	6.0	9.5	14.3	.3	.2	1.1
	NEW MEXICO	8	3	.4	25	.3	.6	1.7	6.0	1.4	7.3	.1	.3	2.1
	ARIZONA	13	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	UTAH	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	328	184	98.1	933.0	50.7	102.8	382.3	1 460.9	691.8	1 987.5	44.9	97.8	1 177.2
	WASHINGTON	22	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	9.7
	OREGON	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	299	173	95.1	911.5	48.8	99.4	371.9	1 425.1	673.1	1 935.1	43.4	96.7	1 166.4
367	ELECTRONIC COMPONENTS, ACCESSORIES	2 439	1 410	403.4	2 435.3	293.4	576.2	1 448.9	4 359.2	3 130.7	7 452.7	373.3	288.5	2 508.1
	NORTHEAST REGION	996	608	185.2	1 166.0	129.7	251.8	652.1	2 112.4	1 861.7	3 957.3	171.8	141.4	1 237.0
	NEW ENGLAND DIVISION	330	213	62.1	362.3	45.4	88.5	213.3	621.2	473.9	1 082.1	54.9	49.3	376.9
	MAINE	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	21	16	5.6	27.0	4.7	8.9	20.3	45.1	25.2	66.7	4.3	4.8	30.1
	VERMONT	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	189	119	33.6	198.2	25.8	49.1	125.0	306.7	176.2	472.4	28.5	29.0	225.9
	RHODE ISLAND[6]	19	14	2.1	9.7	1.5	2.9	5.4	16.0	11.2	27.1	1.8	1.8	20.9
	CONNECTICUT	88	54	13.8	82.7	9.3	19.2	44.4	130.5	78.7	214.9	8.3	11.4	85.5
	MIDDLE ATLANTIC DIVISION	666	395	123.1	803.7	84.2	163.2	438.9	1 491.2	1 387.9	2 875.2	116.9	92.0	860.0
	NEW YORK	275	163	57.7	404.9	35.5	70.3	197.3	693.0	1 017.9	1 712.3	48.1	35.2	314.9
	NEW JERSEY	235	127	26.2	164.2	19.7	37.0	94.1	293.2	135.6	422.6	22.3	24.1	216.1
	PENNSYLVANIA	156	105	39.2	234.6	29.1	56.0	147.4	505.0	234.3	740.3	46.5	32.2	329.1
	NORTH CENTRAL REGION	540	341	87.8	461.4	70.6	136.1	317.1	903.2	661.9	1 571.2	67.8	59.6	476.7
	EAST NORTH CENTRAL DIVISION	424	269	72.6	385.4	58.8	113.0	266.6	740.4	590.4	1 339.2	59.1	49.7	388.4
	OHIO	74	41	10.6	61.0	8.8	17.8	42.8	134.8	80.1	216.1	8.2	9.4	78.5
	INDIANA	66	46	20.8	110.7	17.5	32.5	81.3	205.7	178.1	386.5	18.6	10.9	93.9
	ILLINOIS	202	141	35.8	187.8	28.1	54.6	124.9	357.2	308.1	669.6	28.9	23.5	163.2
	MICHIGAN	42	14	1.5	6.5	1.2	2.1	4.0	9.7	6.9	16.6	.3	3.0	28.9
	WISCONSIN	40	27	3.9	19.4	3.2	6.0	13.7	33.0	17.2	50.3	3.2	2.8	23.9

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
367	ELECTRONIC COMPONENTS, ACCESSORIES--CONTINUED													
	WEST NORTH CENTRAL DIVISION	116	72	15.2	76.1	11.8	23.1	50.5	162.8	71.5	232.1	8.7	9.9	88.3
	MINNESOTA	42	25	4.5	26.8	3.5	7.2	18.5	63.6	33.3	94.9	4.7	2.4	30.0
	IOWA	18	12	4.4	20.5	3.6	6.4	14.5	49.1	17.3	66.9	1.4	3.2	32.5
	MISSOURI	23	15	1.8	8.5	1.5	3.1	5.9	13.8	7.4	20.8	.8	.8	5.2
	SOUTH DAKOTA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	10	6	2.4	11.1	1.6	3.2	5.8	22.3	6.2	28.4	1.0	(D)	(D)
	KANSAS	18	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	8.5
	SOUTH REGION	298	170	53.9	289.0	42.4	85.6	190.6	453.7	255.7	702.3	54.2	34.6	285.0
	SOUTH ATLANTIC DIVISION	185	118	26.6	134.0	21.0	41.4	88.3	230.1	113.5	337.1	24.1	17.6	140.1
	MARYLAND	33	18	2.9	17.7	2.4	4.9	12.4	23.3	15.1	37.1	5.0	1.2	10.4
	VIRGINIA	27	18	4.3	20.8	3.4	7.0	14.6	33.3	19.8	51.9	2.0	5.9	49.4
	WEST VIRGINIA	5	3	1.2	6.4	.9	1.8	4.3	7.1	4.4	11.4	(D)	.9	5.4
	NORTH CAROLINA	30	25	6.1	26.7	5.1	9.9	20.0	57.0	26.1	81.7	4.9	(D)	(D)
	SOUTH CAROLINA	10	9	5.4	23.4	4.4	8.5	15.9	42.6	24.7	67.2	4.4	3.6	20.4
	FLORIDA	71	40	6.6	38.2	4.6	9.2	20.6	65.2	22.7	85.7	7.4	2.2	19.2
	EAST SOUTH CENTRAL DIVISION	39	22	9.6	48.8	8.2	15.7	35.6	83.3	49.9	133.5	5.5	7.4	62.6
	KENTUCKY	11	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	17	10	1.8	7.6	1.7	3.4	5.9	12.6	7.0	19.9	.5	(D)	(D)
	ALABAMA	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	9.0
	MISSISSIPPI	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	74	30	17.7	106.2	13.2	28.5	66.7	140.3	92.4	231.7	24.6	9.6	82.3
	ARKANSAS	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA	8	3	.3	1.6	.2	.4	1.0	3.5	2.7	6.2	.3	(D)	(D)
	TEXAS	57	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	605	291	76.5	518.8	50.7	102.7	289.0	889.8	351.3	1 221.8	79.5	52.8	524.2
	MOUNTAIN DIVISION	61	34	15.9	98.4	9.9	19.9	46.2	173.5	50.0	221.0	15.4	6.8	57.2
	IDAHO	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	16	7	1.2	5.3	1.0	1.6	3.4	10.0	5.3	14.2	(D)	.3	1.2
	NEW MEXICO	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARIZONA	27	17	13.0	84.1	7.6	15.3	36.6	147.3	37.2	183.4	10.0	5.8	48.7
	UTAH	5	3	.8	4.9	.6	1.4	3.5	13.2	3.3	16.6	.9	.6	6.2
	PACIFIC DIVISION	544	257	60.6	420.4	40.8	82.8	242.8	716.3	301.3	1 000.4	64.1	46.0	467.0
	WASHINGTON	16	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.8
	OREGON	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	519	253	59.1	411.4	39.7	80.6	236.8	701.8	296.4	982.0	63.7	45.8	464.8
369	MISC. ELECTRICAL EQUIP., SUPPLIES	1 165	457	107.2	715.0	83.8	163.4	499.2	1493.9	1285.5	2773.7	103.6	83.7	1 042.4
	NORTHEAST REGION	378	152	24.7	154.2	18.2	35.4	93.9	296.6	258.8	554.4	13.7	21.5	233.7
	NEW ENGLAND DIVISION	95	44	8.2	49.5	5.9	11.0	27.6	89.7	84.9	172.5	4.0	5.6	58.9
	MAINE	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VERMONT	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	54	25	3.7	24.9	2.5	4.7	12.7	40.0	39.1	77.7	1.1	2.9	29.5
	RHODE ISLAND	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	26	10	1.8	11.3	1.3	2.2	5.5	21.0	19.5	40.7	.8	1.7	16.4
	MIDDLE ATLANTIC DIVISION	283	108	16.6	104.8	12.3	24.5	66.3	206.9	173.9	382.0	9.8	15.8	174.7
	NEW YORK	132	47	6.0	35.8	4.4	8.7	20.2	72.2	60.6	132.9	3.0	7.1	69.6
	NEW JERSEY	83	27	5.0	32.2	3.8	7.6	22.3	68.8	50.1	118.7	2.6	4.1	48.1
	PENNSYLVANIA	68	34	5.5	36.7	4.1	8.2	23.8	65.9	63.2	130.3	4.1	4.6	57.0
	NORTH CENTRAL REGION	326	168	65.1	458.1	52.1	101.6	338.2	956.7	779.5	1 730.9	63.8	49.4	643.1
	EAST NORTH CENTRAL DIVISION	262	141	60.1	428.3	47.9	93.1	315.0	883.8	718.5	1 595.1	(D)	45.6	588.8
	OHIO	42	25	10.4	71.2	7.9	15.4	47.0	170.6	127.4	294.6	19.8	9.2	118.1
	INDIANA	37	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	18.7	253.2
	ILLINOIS	94	41	7.7	49.0	5.7	11.2	30.2	101.4	105.5	202.8	7.2	6.4	72.1
	MICHIGAN	59	35	13.1	90.0	10.4	20.3	69.5	153.2	188.1	346.1	(D)	6.7	89.0
	WISCONSIN	30	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	56.4
	WEST NORTH CENTRAL DIVISION	64	27	4.9	29.8	4.2	8.5	23.2	72.9	61.0	135.8	(D)	3.8	54.2
	MINNESOTA	18	9	1.2	7.1	.9	1.8	5.0	14.7	14.9	30.2	1.2	.7	10.3
	IOWA	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	24	10	1.7	8.8	1.4	2.9	6.7	18.3	18.9	38.5	.7	1.4	16.7
	KANSAS	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	205	77	11.4	66.4	8.9	17.7	43.1	163.8	172.2	336.8	23.0	(D)	(D)
	SOUTH ATLANTIC DIVISION	95	43	6.9	42.5	5.2	10.4	26.1	110.4	110.2	221.0	12.9	(D)	(D)
	DELAWARE	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	11	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	20	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	36.2
	SOUTH CAROLINA	7	5	.9	4.4	.8	1.5	3.3	9.7	8.5	17.6	(D)	(D)	(D)
	GEORGIA	13	7	.7	4.2	.6	1.2	3.4	9.4	13.8	24.0	.4	.6	10.5
	FLORIDA	35	12	1.3	7.6	.9	1.9	4.1	14.2	11.7	25.6	.7	2.0	13.5
	EAST SOUTH CENTRAL DIVISION	40	17	2.5	12.1	2.0	4.1	8.7	27.8	31.8	59.7	1.2	(D)	(D)
	KENTUCKY	8	3	.5	2.9	.5	.9	2.2	5.0	6.2	11.5	.3	.4	3.7
	TENNESSEE	18	7	.9	4.5	.7	1.3	2.9	13.1	14.1	26.7	.6	(D)	(D)
	ALABAMA	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.1

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
369	MISC. ELECTRICAL EQUIP. & SUPPLIES.													
	WEST SOUTH CENTRAL DIVISION.	70	17	2.0	11.7	1.6	3.2	8.3	25.5	30.2	56.1	8.9	(D)	(D)
	OKLAHOMA	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS.	55	15	1.7	9.9	1.4	2.8	6.9	22.2	25.6	47.9	(D)	1.2	15.0
	WEST REGION.	256	60	5.9	36.3	4.5	8.7	24.0	76.7	75.0	151.6	3.2	(D)	(D)
	MOUNTAIN DIVISION.	31	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	11	4	.3	1.8	.2	.5	1.5	3.3	3.6	7.0	.2	.2	3.6
	NEW MEXICO	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	225	55	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OREGON	13	4	.4	2.8	.3	.5	1.5	5.4	5.3	10.6	(D)	.4	4.3
	CALIFORNIA	194	49	4.9	30.2	3.8	7.2	19.9	64.9	63.2	127.9	2.5	3.5	42.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Electrical equipment and supplies (SIC 36)	Electrical test and distributing equipment (SIC 361)	Electrical industrial apparatus (SIC 362)	Household appliances (SIC 363)	Electric lighting and wiring equipment (SIC 364)	Radio and TV receiving equipment (SIC 365)	Communication equipment (SIC 366)	Electronic components and accessories (SIC 367)	Miscellaneous electrical equipment and supplies (SIC 369)
ESTABLISHMENTS, TOTAL ..... NUMBER	10 706	1 218	1 316	637	1 868	661	1 402	2 439	1 165
WITH 1 TO 19 EMPLOYEES ..... DO	5 134	539	611	300	989	401	557	1 029	708
WITH 20 TO 99 EMPLOYEES ..... DO	2 971	393	349	131	561	120	414	738	265
WITH 100 EMPLOYEES OR MORE ..... DO	2 601	286	356	206	318	140	431	672	192
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	1 874.9	175.9	206.7	169.2	157.1	130.2	525.3	403.4	107.2
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	12 968.0	1 229.5	1 420.4	1 100.5	950.4	720.1	4 396.7	2 435.3	715.0
PRODUCTION WORKERS:									
AVERAGE FOR YEAR 1,000	1 323.8	124.1	152.7	135.2	123.1	107.2	304.5	293.4	83.8
MARCH ..... DO	1 337.4	124.2	156.2	131.9	122.0	108.3	301.0	309.6	84.2
MAY ..... DO	1 300.0	124.1	154.1	129.4	122.4	96.2	300.9	290.0	82.9
AUGUST ..... DO	1 319.8	124.2	151.6	136.7	123.2	109.6	305.1	286.0	83.4
NOVEMBER ..... DO	1 338.1	124.0	148.9	142.8	124.3	114.9	311.1	287.6	84.5
MAN-HOURS ..... MILLIONS	2 611.3	247.7	307.5	262.1	242.3	205.6	606.4	576.2	163.4
JANUARY-MARCH ..... DO	670.8	62.4	80.3	64.5	61.2	53.7	151.5	155.7	41.5
APRIL-JUNE ..... DO	649.0	63.0	78.5	65.0	61.1	45.7	151.8	143.2	40.7
JULY-SEPTEMBER ..... DO	619.6	60.2	73.6	61.0	57.9	50.1	144.5	133.4	38.9
OCTOBER-DECEMBER ..... DO	671.8	62.2	75.1	71.6	62.1	56.0	158.6	143.9	42.3
WAGES ..... MILLION DOLLARS	7 607.0	737.4	925.0	788.2	641.9	516.6	2 050.0	1 448.9	477.2
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	19 437.3	1 598.5	1 863.0	2 813.2	1 649.3	2 581.2	4 516.1	3 130.6	1 285.4
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ..... DO	17 797.9	1 472.9	1 707.4	2 567.3	1 495.7	2 482.9	4 136.3	2 793.0	1 142.4
COST OF RESALES ..... DO	997.3	82.4	80.8	(D)	(D)	60.7	170.3	201.6	113.7
FUELS CONSUMED ..... DO	89.5	6.9	15.4	16.5	12.4	3.8	12.2	15.0	7.3
PURCHASED ELECTRIC ENERGY ..... DO	(D)	18.0	29.8	(D)	18.5	8.9	41.2	45.6	13.8
CONTRACT WORK ..... DO	(D)	18.2	29.6	(D)	(D)	24.9	156.1	75.4	8.2
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	43 361.0	4 062.4	4 623.7	5 328.4	3 850.3	4 122.7	11 264.1	7 452.7	2 675.0
VALUE OF RESALES ..... DO	1 364.1	119.1	99.3	(D)	(D)	101.7	206.7	272.1	176.7
VALUE ADDED BY MANUFACTURE ..... DO	24 487.3	2 508.9	2 791.7	2 540.3	2 214.1	1 586.7	6 992.5	4 359.2	1 493.9
MANUFACTURERS' INVENTORIES:									
BEGINNING OF YEAR, TOTAL ..... DO	7 916.3	816.3	876.5	987.0	610.3	772.1	2 210.6	1 247.7	395.8
FINISHED PRODUCTS ..... DO	1 872.9	149.1	197.7	488.5	243.4	272.3	189.8	216.0	116.1
WORK IN PROCESS ..... DO	3 729.7	374.3	383.2	229.8	156.6	197.5	1 603.4	633.0	151.9
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	2 313.8	292.9	295.6	268.7	210.3	302.2	417.5	398.8	127.8
END OF YEAR, TOTAL ..... DO	8 526.6	862.4	920.8	1 001.9	627.3	764.8	2 651.3	1 285.8	412.4
FINISHED PRODUCTS ..... DO	2 041.9	171.3	210.2	506.4	250.3	315.9	221.3	243.3	123.2
WORK IN PROCESS ..... DO	4 118.7	397.2	400.6	237.5	162.5	199.2	1 928.5	643.0	150.2
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	2 366.2	293.8	310.0	258.1	214.6	249.7	501.6	399.6	138.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ..... DO	1 594.2	149.6	216.9	128.1	134.5	94.6	375.6	389.0	106.1
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	1 537.2	145.6	208.6	125.1	130.9	93.2	356.9	373.3	103.6
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	449.3	58.6	64.6	35.4	34.2	31.9	93.4	99.1	32.0
NEW MACHINERY AND EQUIPMENT ..... DO	1 087.9	87.0	144.0	89.6	96.7	61.2	263.5	274.2	71.6
USED PLANT AND EQUIPMENT ..... DO	57.0	4.0	8.2	2.9	3.6	1.3	18.7	15.7	2.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

ELECTRICAL MEASUREMENT AND DISTRIBUTION EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3611--Electric Measuring Instruments and Test Equipment
3612--Power, Distribution, and Specialty Transformers
3613--Switchgear and Switchboard Apparatus
3621--Motors and Generators
3622--Industrial Controls
3623--Welding Apparatus
3624--Carbon and Graphite Products
3629--Electrical Industrial Apparatus, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3611--ELECTRIC MEASURING INSTRUMENTS AND TEST EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing pocket, portable, panelboard, and graphic recording instruments for measuring electricity, such as voltmeters, ammeters, wattmeters, watt-hour meters, demand meters, and other meters and indicating instruments. This industry also includes establishments primarily engaged in manufacturing analyzers for testing the electrical characteristics of internal combustion engines, radio apparatus, etc. For a detailed list of products of industry 3611, refer to table 6A, product codes 3611110 to 3611385.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electric Measuring Instruments Industry in 1967 totaled $1,184 million. This included shipments of Electric Measuring Instruments (primary products), valued at $920 million, shipments of other products (secondary products) valued at $180 million, and miscellaneous receipts (mainly resales) of $84 million.

This industry's shipments of electric measuring instruments (primary products) in 1967 represented 84 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 84 percent. Secondary products shipped by this industry in 1967 included electric components, n.e.c. ($33 million), engineering and scientific instruments ($19 million), and mechanical measuring devices ($17 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 54 percent of the total industry shipments are represented by plants specializing in product class 36112, test equipment for testing electrical, radio and communication circuits, and motors.

Industry 3611 shipments of electric measuring instruments (primary products) in 1967 represented 79 percent (coverage ratio) of these products valued at $1,165 million shipped by all industries. In 1963, the coverage ratio was 78 percent. Other industries shipping electric measuring instruments (primary products) included industry 3662, Radio and TV Communication Equipment, $79 million; and industry 3821, Mechanical Measuring Devices, $38 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3611, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3612--POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMERS

This industry comprises establishments primarily engaged in manufacturing power, distribution and specialty transformers. Establishments primarily engaged in manufacturing radio frequency or voice frequency transformers, coils, or chokes are classified in industry 3679, and resistance welder transformers in industry 3623. For a detailed list of products of industry 3612, refer to table 6A, product codes 3612113 to 3612377.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Transformers Industry in 1967 totaled $1,188 million. This included shipments of transformers (primary products), valued at $1,113 million, shipments of other products (secondary products) valued at $60 million, and miscellaneous receipts of $15 million.

This industry's shipments of transformers (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 78 percent of the total industry shipments are represented by plants specializing in product class 36122, power and distribution transformers, except parts.

Industry 3612 shipments of transformers (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $1,134 million shipped by all industries. In 1963, the coverage ratio was 94 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3612, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3613--SWITCHGEAR AND SWITCHBOARD APPARATUS

This industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus. Important products of this industry include power switches, circuit breakers, power switching equipment, and similar switchgear for general industrial application; switchboards and cubicles, control and metering panels, power fuse mountings, and similar switchboard apparatus and supplies. Establishments primarily engaged in manufacturing industrial controls, are classified in industry 3622, and those manufacturing current-carrying wiring devices in industry 3643. For a detailed list of products of industry 3613, refer to table 6A, product codes 3613111 to 3613703.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Switchgear and Switchboard Apparatus Industry in 1967 totaled $1,690 million. This included shipments of switchgear and switchboard apparatus (primary products), valued at $1,435 million, shipments of other products (secondary products) valued at $178 million, and miscellaneous receipts (mainly resales) of $77 million.

This industry's shipments of switchgear and switchboard apparatus (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent. Secondary products shipped by this industry in 1967 included industrial controls ($75 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 36 percent of the total industry shipments are represented by plants specializing in product class 36131, switchgear except ducts and relays and 24 percent in 36133, low voltage panelboards and distribution boards and other switching and interrupting devices, 750 volts and under.

Industry 3613 shipments of switchgear and switchboard apparatus (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $1,598 million shipped by all industries. In 1963, the coverage ratio was 89 percent. Other industries shipping switchgear and switchboard apparatus (primary products) included industry 3622, Industrial Controls, $58 million; industry 3643, Current-Carrying Wiring Devices, $27 million; and industry 3644, Noncurrent-Carrying Wire Devices, $20 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3613, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3621--MOTORS AND GENERATORS

This industry comprises establishments primarily engaged in manufacturing electric motors (except starting motors) and power generators; motor generator sets; railway motors and control equipment; and motors, generators, and control equipment for gasoline, electric, and oil electric busses and trucks. Establishments primarily engaged in manufacturing turbo-generators are classified in industry 3511, and starting motors and battery charging generators for internal combustion engines in industry 3694. For a detailed list of products of industry 3621, refer to table 6A, product codes 3621101 to 3621611.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Motors and Generators Industry in 1967 totaled $2,402 million. This included shipments of motors and generators (primary products), valued at $1,927 million, shipments of other products (secondary products) valued at $383 million, and miscellaneous receipts of $92 million.

This industry's shipments of motors and generators (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 81 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 40 percent of the total industry shipments are represented by plants specializing in product class 36211, fractional horsepower motors; and 35 percent in 36212. integral horsepower motors and generators, except for land transportation equipment.

Industry 3621 shipments of motors and generators (primary products) in 1967 represented 83 percent (coverage ratio) of these products valued at $2,319 million shipped by all industries. In 1963, the coverage ratio was 84 percent. Other industries shipping motors and generators (primary products) consisted mainly of industry 3519, Internal Combustion Engines, N.E.C., $50 million; and industry 3694, Engine Electrical Equipment, $38 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3621, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3622--INDUSTRIAL CONTROLS

This industry comprises establishments primarily engaged in manufacturing motor starters and controllers, control accessories, electronic controls, and other industrial controls. Establishments primarily engaged in manufacturing automatic temperature controls are classified in industry 3822. For a detailed list of products of industry 3622, refer to table 6A, product codes 3622012 to 3622099.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Industrial Controls Industry in 1967 totaled $1,103 million. This included shipments of industrial controls (primary products), valued at $873 million, shipments of other products (secondary products) valued at $183 million, and miscellaneous receipts of $47 million.

This industry's shipments of industrial controls (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 79 percent. Secondary products shipped by this industry in 1967 included switchgear and switchboard apparatus ($58 million).

Industry 3622 shipments of industrial controls (primary products) in 1967 represented 81 percent (coverage ratio) of these products valued at $1,071 million shipped by all industries. In 1963, the coverage ratio was 79 percent. Other industries shipping industrial controls (primary products) consisted mainly of industry 3613, Switchgear and Switchboard Apparatus, $75 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3621, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3623--WELDING APPARATUS

This industry comprises establishments primarily engaged in manufacturing welding apparatus and accessories. Establishments primarily engaged in coating welding wire from purchased wire or from wire drawn in the same establishment are also included. Establishments primarily engaged in manufacturing gas welding apparatus are classified in industry 3548, and laser, electron beam, and ultrasonic welding machines and equipment in industry 3662. For a detailed list of products of industry 3623, refer to table 6A, product codes 3623111 to 3623381.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Welding Apparatus Industry in 1967 totaled $493 million. This included shipments of welding apparatus (primary products), valued at $407 million, shipments of other products (secondary products) valued at $40 million, and miscellaneous receipts (mainly resales) of $46 million.

This industry's shipments of welding apparatus (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent.

Industry 3623 shipments of welding apparatus (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $433 million shipped by all industries. In 1963, the coverage ratio was 89 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3623, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3624--CARBON AND GRAPHITE PRODUCTS

This industry comprises establishments primarily engaged in manufacturing lighting carbons; carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; and other carbon, graphite, and metal-graphite products. For a detailed list of products of industry 3624, refer to table 6A, product codes 3624011 to 3624089.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Carbon and Graphite Products Industry in 1967 totaled $296 million. This included shipments of carbon and graphite products (primary products), valued at $282 million, shipments of other products (secondary products) valued at $13 million, and miscellaneous receipts of $1 million.

This industry's shipments of carbon and graphite products (primary products) in 1967 represented 96 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent.

Industry 3624 shipments of carbon and graphite products (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $296 million shipped by all industries. In 1963, the coverage ratio was also 96 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3624, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3629--ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.

This industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and equipment, not elsewhere classified, such as blasting machines, and fixed and variable capacitors, condensers, and rectifiers for industrial applications. Establishments primarily engaged in manufacturing fixed and variable capacitors and condensers for electronic end products are classified in industry 3679, and rectifiers for electronic end products in industries 3674 and 3679. For a detailed list of products of industry 3629, refer to table 6A, product codes 3629111 to 3629398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electrical Industrial Apparatus, N.E.C., Industry in 1967 totaled $329 million. This included shipments of electric industrial apparatus, n.e.c. (primary products), valued at $268 million, shipments of other products (secondary products) valued at $50 million, and miscellaneous receipts (mainly resales) of $12 million.

This industry's shipments of electrical industrial apparatus (primary products) in 1967 represented 84 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3629 shipments of electrical industrial apparatus, n.e.c. (primary products) in 1967 represented 67 percent (coverage ratio) of these products valued at $399 million shipped by all industries. In 1963, the coverage ratio was 72 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3629, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3611.--ELECTRIC MEASURING INSTRUMENTS														
1967 Census....	546	274	61.5	423.9	40.4	78.7	222.3	799.7	397.0	1,184.0	53.7	283.9	84	79
1966 ASM[1].....	(NA)	(NA)	56.3	375.9	38.6	77.1	208.7	720.1	333.5	1,020.5	32.8	258.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	49.1	318.3	31.4	65.4	173.1	580.1	287.2	863.4	25.8	194.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	43.2	279.0	28.6	61.3	153.0	521.4	246.5	769.3	17.1	179.0	(NA)	(NA)
1963 Census....	560	209	44.7	273.6	30.1	59.9	149.6	505.3	245.4	749.2	19.2	181.3	84	78
1962 ASM[1].....	(NA)	(NA)	*59.5	*340.0	*42.6	*89.0	*205.2	*588.7	*300.8	*879.6	*22.6	*202.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	*57.7	*335.9	*40.3	*82.5	*194.6	*558.0	*285.5	*830.9	*22.8	*196.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	*52.4	*304.0	*37.0	*75.3	*179.3	*518.3	*280.1	*800.7	*25.3	*175.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	*50.0	*281.5	*36.3	*74.1	*173.3	*509.9	*271.0	*770.6	*22.0	*168.1	(NA)	(NA)
1958 Census[2]...	492	200	46.9	254.8	31.7	63.6	147.2	419.4	235.2	673.5	19.4	153.2	74	81
INDUSTRY 3612.--TRANSFORMERS														
1967 Census....	190	122	45.6	317.6	34.0	68.5	210.1	678.9	531.8	1,188.4	52.8	240.3	95	98
1966 ASM[1].....	(NA)	(NA)	41.5	281.4	30.6	61.5	183.0	584.4	468.6	1,053.0	40.8	204.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	37.3	252.6	27.1	56.5	161.6	516.7	423.4	921.8	19.4	187.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	35.1	227.2	25.6	52.4	145.1	442.7	375.0	805.3	13.8	153.4	(NA)	(NA)
1963 Census....	177	99	33.4	209.5	23.6	46.9	129.6	381.5	337.0	722.9	13.2	134.9	92	94
1962 ASM[1].....	(NA)	(NA)	35.1	215.2	24.6	49.1	133.9	400.8	345.8	740.4	22.6	143.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	34.9	207.4	23.5	46.2	128.1	402.3	303.8	708.1	40.5	127.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	36.6	211.9	24.7	48.6	129.2	422.5	308.4	718.3	14.3	132.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	35.5	201.7	24.0	48.0	125.9	429.1	296.9	721.6	14.9	127.4	(NA)	(NA)
1958 Census[2]...	175	82	34.6	186.4	22.6	45.1	108.6	364.2	256.9	642.3	13.8	115.8	94	93
INDUSTRY 3613.--SWITCHGEAR AND SWITCHBOARD APPARATUS														
1967 Census....	482	283	68.5	488.0	49.7	100.5	304.9	1,030.3	669.7	1,690.0	39.1	338.2	89	90
1966 ASM[1].....	(NA)	(NA)	64.7	449.3	46.8	96.8	278.6	972.1	607.7	1,549.0	32.1	310.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	57.6	386.2	40.7	83.5	236.1	797.2	513.4	1,299.3	26.0	254.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	55.9	366.6	38.0	79.3	217.4	706.1	489.9	1,175.4	20.6	238.1	(NA)	(NA)
1963 Census....	400	214	54.0	338.9	38.1	76.9	204.9	647.8	452.2	1,093.7	18.2	210.6	87	89
1962 ASM[1].....	(NA)	(NA)	59.6	356.3	43.4	84.1	212.0	654.8	458.5	1,108.4	16.6	224.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	57.1	336.3	41.1	81.0	197.8	606.6	430.4	1,039.3	15.6	216.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	57.4	325.9	41.9	82.9	194.5	636.6	422.0	1,038.8	24.4	204.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	57.1	319.3	41.7	82.5	190.2	638.8	429.5	1,047.6	*35.5	195.7	(NA)	(NA)
1958 Census[2]...	402	203	52.9	283.2	36.3	72.8	170.5	555.0	376.0	962.6	17.8	164.4	80	90
INDUSTRY 3621.--MOTORS AND GENERATORS														
1967 Census....	409	279	112.8	764.6	85.3	172.3	514.4	1,430.8	977.5	2,402.3	102.5	457.4	83	83
1966 ASM[1].....	(NA)	(NA)	112.3	730.0	87.2	174.3	494.3	1,365.7	968.7	2,288.8	84.3	445.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	102.0	662.2	76.7	156.8	448.3	1,178.8	868.5	2,043.8	64.8	375.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	94.9	609.8	69.2	141.9	392.8	1,097.8	743.8	1,820.0	42.4	348.6	(NA)	(NA)
1963 Census....	384	244	94.2	583.2	68.7	140.2	378.8	993.2	715.2	1,709.8	35.8	321.5	81	84
1962 ASM[1].....	(NA)	(NA)	94.0	576.0	67.7	135.7	361.8	974.8	697.8	1,657.8	34.8	313.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	95.9	570.5	67.7	133.3	349.2	933.1	640.9	1,567.3	29.4	305.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	101.7	581.9	72.3	141.4	358.9	966.6	676.1	1,647.8	37.2	300.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	99.6	557.6	71.3	142.8	350.3	975.8	663.8	1,614.7	31.9	319.3	(NA)	(NA)
1958 Census[2]...	378	237	93.5	488.9	64.8	127.8	303.8	813.1	545.5	1,392.6	28.3	272.5	83	85
INDUSTRY 3622.--INDUSTRIAL CONTROLS														
1967 Census....	476	169	50.4	350.9	34.8	69.6	210.7	720.9	388.6	1,102.8	34.3	224.2	83	81
1966 ASM[1].....	(NA)	(NA)	45.9	325.1	31.5	66.0	195.7	718.5	368.3	1,049.0	31.9	221.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	39.4	268.8	26.8	55.5	162.6	582.6	284.9	846.3	22.6	166.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	34.9	235.2	24.2	48.0	139.2	502.8	246.2	732.5	19.4	142.5	(NA)	(NA)
1963 Census....	427	118	33.0	214.6	22.8	44.9	125.4	450.5	207.6	648.7	15.4	118.9	79	79
1962 ASM[1].....	(NA)	(NA)	32.9	205.3	21.8	43.9	117.8	414.8	186.5	593.3	16.3	105.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	31.6	192.3	20.3	40.3	106.0	388.2	171.1	548.3	17.7	93.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	30.5	179.0	20.0	39.5	101.4	373.2	162.7	532.4	18.4	90.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	28.2	165.6	19.2	38.7	97.9	349.8	153.0	496.7	9.8	80.0	(NA)	(NA)
1958 Census[2]...	216	75	27.1	145.3	17.3	33.7	81.8	281.9	125.0	413.2	7.6	70.1	79	70
INDUSTRY 3623.--WELDING APPARATUS														
1967 Census....	147	92	13.7	118.4	9.4	19.8	72.9	265.3	237.8	493.3	18.1	98.5	91	94
1966 ASM[1].....	(NA)	(NA)	14.4	116.4	10.1	21.7	73.4	264.5	282.5	533.8	9.9	102.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	12.6	103.5	8.5	19.5	62.8	210.8	238.4	446.5	11.1	80.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	11.4	91.9	7.8	18.1	57.8	192.6	201.4	389.4	6.8	71.5	(NA)	(NA)
1963 Census....	149	75	9.6	72.1	6.6	14.1	44.6	162.4	168.6	330.2	5.4	56.7	93	89
1962 ASM[1].....	(NA)	(NA)	10.1	75.2	6.5	13.8	40.8	135.5	171.7	308.6	4.7	62.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	10.7	73.3	6.9	13.8	38.9	129.5	163.4	294.4	*7.5	61.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.0	75.9	7.3	14.5	40.6	136.5	165.6	304.2	4.5	60.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	10.2	70.1	6.9	14.3	40.0	133.5	164.7	297.4	3.8	59.8	(NA)	(NA)
1958 Census[2]...	135	70	9.9	60.8	6.4	12.7	33.0	112.7	135.2	247.7	4.3	51.7	93	92

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3624.--CARBON AND GRAPHITE PRODUCTS													
1967 Census....	65	42	11.9	82.8	9.1	18.5	57.8	186.3	117.8	296.4	41.3	69.4	96	96
1966 ASM[1].....	(NA)	(NA)	10.8	73.9	8.4	17.0	51.7	175.1	112.1	283.2	21.0	61.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	10.3	68.3	8.0	16.5	48.6	168.0	100.9	267.2	15.5	57.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	10.9	70.0	8.3	16.9	48.8	152.5	96.0	245.2	12.5	53.8	(NA)	(NA)
1963 Census....	53	40	10.0	62.0	8.0	16.1	44.1	141.4	84.8	226.9	11.4	50.2	93	96
1962 ASM[1].....	(NA)	(NA)	9.7	56.5	7.3	14.6	38.0	128.4	70.1	196.5	10.9	43.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	9.2	52.3	6.9	13.5	34.9	113.9	66.3	182.9	5.5	40.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	9.6	52.8	7.3	14.1	35.8	120.8	66.7	184.1	7.0	43.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	9.9	53.6	7.7	15.4	37.4	118.1	70.2	193.1	*5.8	42.4	(NA)	(NA)
1958 Census[2]...	46	35	8.9	45.6	6.6	13.0	30.6	102.5	59.0	154.9	11.1	46.9	97	95
	INDUSTRY 3629.--ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.													
1967 Census....	219	123	17.9	103.7	14.0	27.4	69.2	188.3	141.3	328.8	12.3	71.3	84	67
1966 ASM[1].....	(NA)	(NA)	20.5	112.8	16.4	31.6	76.0	212.1	164.0	369.4	13.8	72.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	16.3	87.8	12.6	25.4	57.3	154.7	134.7	288.2	8.0	51.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	14.5	76.0	11.2	21.8	49.3	134.5	103.8	242.8	4.2	40.9	(NA)	(NA)
1963 Census....	231	109	14.0	73.0	10.9	21.0	47.7	141.6	100.1	238.3	4.0	42.9	80	72
1962 ASM[1].....	(NA)	(NA)	20.6	92.3	15.6	30.0	58.0	159.0	112.5	270.8	6.7	48.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.1	79.9	13.7	25.9	50.7	142.8	94.8	236.3	7.2	41.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	19.9	91.0	15.3	28.5	55.7	149.9	112.0	261.4	8.2	44.8	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	20.0	95.2	15.2	30.0	59.1	169.1	116.0	282.1	7.8	52.5	(NA)	(NA)
1958 Census[2]...	286	111	16.8	78.6	11.9	23.6	47.0	137.5	93.1	228.9	8.5	45.5	71	73

Note: In 1967, 1963, and 1958, the number of companies in industry 3611 was 502, 536, and 476, respectively; in industry 3612: 150, 144, and 157; industry 3613: 398, 338, and 339; industry 3621: 320, 316, and 317; industry 3622: 456, 421, and 205; industry 3623: 133, 133, and 123; industry 3624: 49, 40, and 34; industry 3629: 212, 226, and 273.

Standard notes: (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

*These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Some of the small establishments in this industry may have been misclassified as to industry. This does not significantly affect the statistics other than the number of establishments or number of companies. (See paragraph in Introduction: "Industry Classification of Establishments" for further explanation.)

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3611.--ELECTRIC, MEASURING INSTRUMENTS								
1967 Census	6,890	69	1,946	2.83	.34	.69	12,997	.53	10.16
1966 ASM	6,683	69	1,996	2.71	.33	.70	12,801	.52	9.34
1965 ASM	6,478	64	2,084	2.65	.33	.70	11,806	.55	8.88
1964 ASM	6,459	66	2,141	2.50	.32	.68	12,069	.54	8.51
1963 Census	6,120	67	1,990	2.50	.33	.69	11,301	.54	8.44
1962 ASM	5,712	72	2,088	2.31	.34	.73	9,892	.58	6.62
1961 ASM	5,823	70	2,044	2.36	.34	.75	9,675	.60	6.77
1960 ASM	5,797	71	2,034	2.38	.35	.73	9,884	.59	6.88
1959 ASM	5,627	72	2,045	2.34	.35	.72	10,191	.55	6.88
1958 Census	5,431	68	2,008	2.31	.35	.73	8,938	.61	6.59
	INDUSTRY 3612.--TRANSFORMERS								
1967 Census	6,962	75	2,020	3.07	.45	.71	14,884	.47	9.91
1966 ASM	6,779	74	2,009	2.97	.45	.71	14,078	.48	9.50
1965 ASM	6,765	73	2,086	2.86	.46	.73	13,838	.49	9.15
1964 ASM	6,466	73	2,047	2.77	.47	.75	12,600	.51	8.46
1963 Census	6,279	71	1,983	2.77	.47	.76	11,435	.55	8.14
1962 ASM	6,136	70	1,996	2.73	.47	.76	11,426	.54	8.17
1961 ASM	5,949	67	1,963	2.77	.43	.72	11,540	.52	8.71
1960 ASM	5,787	68	1,966	2.66	.43	.72	11,541	.50	8.69
1959 ASM	5,680	68	1,995	2.62	.41	.69	12,084	.47	8.94
1958 Census	5,386	65	1,998	2.41	.40	.69	10,526	.51	8.07
	INDUSTRY 3613.--SWITCHGEAR AND SWITCHBOARD APPARATUS								
1967 Census	7,121	72	2,023	3.03	.40	.68	15,147	.47	10.25
1966 ASM	6,944	72	2,069	2.88	.39	.68	15,024	.46	10.05
1965 ASM	6,705	71	2,051	2.83	.40	.69	13,838	.48	9.54
1964 ASM	6,553	68	2,087	2.74	.42	.73	12,622	.52	8.91
1963 Census	6,270	70	2,019	2.66	.41	.72	11,987	.52	8.42
1962 ASM	5,974	73	1,939	2.52	.41	.74	10,977	.54	7.78
1961 ASM	5,887	72	1,971	2.44	.41	.74	10,617	.55	7.49
1960 ASM	5,675	73	1,980	2.35	.41	.72	11,085	.51	7.68
1959 ASM	5,590	73	1,977	2.31	.41	.71	11,182	.50	7.75
1958 Census	5,356	69	2,007	2.34	.39	.68	10,498	.51	7.63
	INDUSTRY 3621.--MOTORS AND GENERATORS								
1967 Census	6,781	76	2,019	2.99	.41	.73	12,689	.53	8.30
1966 ASM	6,498	78	1,999	2.84	.42	.74	12,156	.53	7.84
1965 ASM	6,490	75	2,043	2.86	.42	.75	11,553	.56	7.52
1964 ASM	6,425	73	2,050	2.77	.41	.74	11,567	.56	7.74
1963 Census	6,193	73	2,041	2.70	.42	.76	10,547	.59	7.09
1962 ASM	6,131	72	2,005	2.67	.42	.77	10,375	.59	7.19
1961 ASM	5,950	71	1,969	2.62	.41	.77	9,732	.61	7.00
1960 ASM	5,724	71	1,956	2.54	.41	.76	9,509	.60	6.83
1959 ASM	5,597	72	2,004	2.45	.41	.76	9,795	.57	6.36
1958 Census	5,226	69	1,972	2.38	.39	.74	8,693	.60	6.36
	INDUSTRY 3622.--INDUSTRIAL CONTROLS								
1967 Census	6,959	69	2,002	3.03	.35	.67	14,299	.49	10.36
1966 ASM	7,084	69	2,094	2.96	.35	.66	15,658	.45	10.89
1965 ASM	6,828	68	2,069	2.93	.34	.65	14,799	.46	10.50
1964 ASM	6,739	69	1,986	2.90	.34	.66	14,405	.47	10.48
1963 Census	6,505	69	1,972	2.79	.32	.65	13,656	.48	10.03
1962 ASM	6,247	66	2,014	2.68	.31	.66	12,619	.50	9.44
1961 ASM	6,079	64	1,985	2.63	.31	.66	12,271	.50	9.63
1960 ASM	5,860	65	1,978	2.57	.31	.64	12,221	.48	9.44
1959 ASM	5,866	68	2,019	2.53	.31	.64	12,394	.47	9.03
1958 Census	5,351	64	1,944	2.43	.30	.65	10,383	.52	8.37
	INDUSTRY 3623.--WELDING APPARATUS								
1967 Census	8,630	69	2,106	3.68	.48	.72	19,341	.45	13.40
1966 ASM	8,080	70	2,151	3.39	.53	.75	18,362	.44	12.21
1965 ASM	8,189	67	2,287	3.23	.53	.77	16,676	.49	10.83
1964 ASM	8,029	68	2,328	3.20	.52	.75	16,832	.48	10.66
1963 Census	7,489	68	2,144	3.17	.51	.73	16,867	.44	11.54
1962 ASM	7,449	65	2,117	2.96	.56	.80	13,431	.55	9.84
1961 ASM	6,872	65	2,003	2.81	.55	.80	12,149	.57	9.35
1960 ASM	6,923	66	1,990	2.80	.54	.79	12,456	.56	9.43
1959 ASM	6,883	67	2,076	2.80	.55	.79	13,113	.52	9.36
1958 Census	6,141	65	1,994	2.59	.55	.79	11,391	.54	8.84

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3624.--CARBON AND GRAPHITE PRODUCTS								
1967 Census	6,976	77	2,027	3.13	.40	.68	15,696	.44	10.07
1966 ASM	6,865	77	2,033	3.04	.40	.66	16,267	.42	10.28
1965 ASM	6,605	77	2,064	2.95	.38	.63	16,254	.41	10.21
1964 ASM	6,446	76	2,038	2.89	.39	.68	14,050	.46	9.02
1963 Census	6,123	79	2,022	2.74	.37	.65	13,970	.44	8.78
1962 ASM	5,820	75	2,016	2.60	.36	.64	13,229	.44	8.78
1961 ASM	5,663	75	1,962	2.58	.36	.65	12,333	.46	8.43
1960 ASM	5,494	76	1,936	2.54	.36	.65	12,580	.44	8.58
1959 ASM	5,396	77	2,008	2.43	.36	.64	11,888	.45	7.68
1958 Census	5,124	74	1,966	2.35	.38	.68	11,510	.45	7.87
	INDUSTRY 3629.--ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.								
1967 Census	5,868	78	1,953	2.57	.43	.74	10,847	.54	7.08
1966 ASM	5,500	80	1,926	2.41	.44	.75	10,341	.53	6.72
1965 ASM	5,394	77	2,022	2.25	.47	.77	9,506	.57	6.08
1964 ASM	5,255	78	1,942	2.26	.43	.74	9,296	.57	6.16
1963 Census	5,198	78	1,931	2.27	.42	.73	10,087	.52	6.73
1962 ASM	4,481	76	1,922	1.93	.42	.76	7,725	.58	5.30
1961 ASM	4,421	76	1,898	1.96	.40	.74	7,902	.56	5.51
1960 ASM	4,578	77	1,861	1.95	.43	.78	7,544	.61	5.25
1959 ASM	4,757	76	1,969	1.97	.41	.75	8,453	.56	5.64
1958 Census	4,667	71	1,987	1.99	.41	.75	8,167	.57	5.82

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3611-- ELECTRIC MEASURING INSTRUMENTS													
UNITED STATES	546	274	61.5	423.9	40.4	78.7	222.3	799.7	397.0	1 184.0	53.7	44.7	505.3
NORTHEAST REGION	223	113	17.8	120.9	11.9	24.1	66.0	214.1	111.5	325.3	11.3	14.0	150.3
NEW ENGLAND DIVISION	65	36	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW HAMPSHIRE	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	35	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	31.6
CONNECTICUT	18	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	5.5
MIDDLE ATLANTIC DIVISION	158	77	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	63	28	3.6	24.1	2.6	5.5	14.7	38.8	22.1	62.3	3.3	3.6	33.2
NEW JERSEY	58	24	4.3	29.4	2.8	5.3	15.3	41.3	24.9	68.5	(D)	[2](D)	[2](D)
PENNSYLVANIA	37	25	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	8.0
NORTH CENTRAL REGION	129	65	13.4	84.5	8.9	17.3	45.8	167.7	80.1	249.4	8.7	10.5	109.1
EAST NORTH CENTRAL DIVISION	109	58	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	33	19	3.9	23.8	2.6	5.2	12.6	46.4	24.8	70.6	1.6	3.0	30.8
INDIANA	11	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	36	19	5.7	36.4	3.7	7.1	20.3	71.6	32.7	107.1	4.7	4.6	50.6
MICHIGAN	20	10	1.2	9.1	.8	1.5	4.5	18.5	10.2	27.7	.9	[2](D)	[2](D)
WISCONSIN	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.2
WEST NORTH CENTRAL DIVISION	20	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	7	2	.2	.8	.1	.2	.3	2.3	.2	2.5	(D)	[2](D)	[2](D)
MISSOURI	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	65	24	6.2	39.1	4.3	8.9	22.2	74.1	41.5	114.1	6.8	4.2	43.1
SOUTH ATLANTIC DIVISION	22	11	4.0	25.6	2.7	5.6	14.6	44.4	24.4	69.0	1.2	(D)	(D)
MARYLAND	6	3	.5	3.5	.1	.2	.6	7.4	3.6	10.3	.2	[2](D)	[2](D)
NORTH CAROLINA	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	8	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	12	3	.4	1.5	.3	.6	1.2	4.2	4.0	8.2	(D)	(D)	(D)
MISSISSIPPI	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	31	10	1.8	12.0	1.2	2.7	6.4	25.5	13.0	36.9	(D)	(D)	(D)
TEXAS	23	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	129	72	24.1	179.4	15.3	28.3	88.3	343.8	163.9	495.3	26.9	16.0	202.8
MOUNTAIN DIVISION	18	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	15	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	111	63	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OREGON	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	100	59	13.4	102.8	8.4	16.0	51.4	191.1	95.6	276.0	18.0	9.2	129.7
3612-- TRANSFORMERS													
UNITED STATES	190	122	45.6	317.6	34.0	68.5	210.1	678.9	531.8	1 188.4	52.8	33.4	381.5
NORTHEAST REGION	56	33	20.2	155.3	14.3	29.3	99.7	311.5	198.3	496.5	27.8	16.5	175.2
NEW ENGLAND DIVISION	12	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	44	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	16	10	.9	5.4	.7	1.4	3.2	10.5	8.9	17.9	.3	.8	4.8
NEW JERSEY	14	4	1.4	9.0	1.1	2.2	5.1	18.6	13.9	30.0	(D)	[2](D)	[2](D)
PENNSYLVANIA	14	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.9	83.7
NORTH CENTRAL REGION	73	54	17.0	110.6	13.1	25.9	74.9	223.5	190.6	408.3	11.0	11.6	120.8
EAST NORTH CENTRAL DIVISION	63	47	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	12	10	1.7	11.4	1.3	2.8	7.9	21.9	23.7	44.5	1.4	1.1	14.3
INDIANA	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	25	16	6.4	35.8	5.2	9.9	25.1	58.1	62.8	118.7	3.1	4.8	46.8
MICHIGAN	9	7	.5	3.5	.4	.8	2.4	9.0	9.0	17.9	.2	[2](D)	[2](D)
WISCONSIN	12	10	2.4	18.4	1.7	3.3	11.0	38.8	29.5	67.0	2.9	1.5	15.6
WEST NORTH CENTRAL DIVISION	10	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	31	19	6.9	40.9	5.4	11.0	28.2	112.8	118.5	229.0	8.6	4.0	67.9
SOUTH ATLANTIC DIVISION	11	8	4.5	28.6	3.3	6.6	18.9	82.5	81.5	162.8	7.6	3.0	54.7
VIRGINIA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	9	6	1.6	7.7	1.5	3.2	6.5	18.1	23.5	41.2	(D)	.5	8.0
ALABAMA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3612-- TRANSFORMERS--CON.													
SOUTH REGION--CON.													
WEST SOUTH CENTRAL DIVISION	11	5	.8	4.6	.6	1.2	2.9	12.2	13.6	25.1	(D)	.5	5.2
ARKANSAS	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
TEXAS	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST REGION	30	16	1.5	10.7	1.1	2.3	7.2	31.1	24.4	54.6	5.4	1.4	17.7
PACIFIC DIVISION	29	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	24	14	1.3	9.8	1.0	2.1	6.6	27.5	21.5	48.4	(D)	1.1	15.1
3613-- SWITCHGEAR & SWITCHBOARD APPARATUS													
UNITED STATES	482	283	68.5	488.0	49.7	100.5	304.9	1 030.3	669.7	1 690.0	39.1	54.0	647.8
NORTHEAST REGION	151	92	32.4	251.4	22.6	44.3	152.0	512.5	316.7	825.2	20.0	27.8	339.3
NEW ENGLAND DIVISION	39	25	6.6	41.8	4.7	9.1	24.1	89.5	69.5	158.8	6.1	5.2	52.5
MAINE	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
NEW HAMPSHIRE	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MASSACHUSETTS	17	9	2.4	16.1	1.7	3.4	9.2	30.0	22.9	53.0	(D)	[2] (D)	[2] (D)
RHODE ISLAND	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
CONNECTICUT	15	11	3.6	22.7	2.5	4.9	12.8	53.5	42.5	95.8	2.3	2.5	28.5
MIDDLE ATLANTIC DIVISION	112	67	25.7	209.6	17.9	35.1	127.9	423.0	247.2	666.4	13.9	22.6	286.8
NEW YORK	48	27	3.1	19.3	2.2	4.2	12.4	41.4	33.9	73.9	1.3	2.9	33.0
NEW JERSEY	42	27	5.3	38.3	3.6	7.2	22.7	74.2	43.6	119.5	2.5	5.2	64.4
PENNSYLVANIA	22	13	17.3	152.1	12.1	23.7	92.8	307.3	169.7	473.0	10.1	14.4	189.4
NORTH CENTRAL REGION	159	87	21.4	144.6	16.2	33.8	93.6	313.4	174.7	483.6	10.8	16.7	195.4
EAST NORTH CENTRAL DIVISION	138	75	16.2	113.1	11.8	24.2	70.5	225.7	137.4	360.2	9.6	12.8	150.9
OHIO	35	18	2.9	19.5	2.2	4.5	13.4	54.3	29.7	82.3	1.0	2.0	33.7
INDIANA	11	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	10.7
ILLINOIS	56	33	7.7	50.1	5.8	12.1	30.3	96.6	57.8	152.9	4.8	5.7	64.2
MICHIGAN	27	12	2.2	18.1	1.6	3.2	11.3	24.5	22.3	47.1	1.2	1.6	15.3
WISCONSIN	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	26.9
WEST NORTH CENTRAL DIVISION	21	12	5.2	31.5	4.3	9.6	23.1	87.7	37.3	123.4	1.2	3.9	44.6
MINNESOTA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.9
IOWA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MISSOURI	10	5	3.1	18.9	2.6	6.2	14.3	39.9	22.6	61.7	.3	[2] (D)	[2] (D)
SOUTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	80	47	9.1	50.5	7.2	14.5	34.8	127.9	99.3	224.3	5.5	5.3	65.5
SOUTH ATLANTIC DIVISION	36	23	4.4	22.8	3.4	6.9	15.4	59.5	42.0	97.0	2.4	(D)	(D)
MARYLAND	9	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.3
VIRGINIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
NORTH CAROLINA	6	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
GEORGIA	11	10	2.2	12.6	1.6	3.3	8.2	29.6	26.7	53.6	1.6	1.3	14.3
EAST SOUTH CENTRAL DIVISION	16	10	3.5	19.3	2.9	5.7	14.2	49.9	30.3	82.8	.5	(D)	(D)
KENTUCKY	6	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MISSISSIPPI	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST SOUTH CENTRAL DIVISION	28	14	1.2	8.4	.9	1.9	5.2	18.5	27.0	44.4	2.6	(D)	(D)
TEXAS	24	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.0
WEST REGION	92	57	5.6	41.5	3.8	8.0	24.5	76.5	79.1	156.9	2.9	4.3	47.6
MOUNTAIN DIVISION	9	4	.2	1.0	.1	.3	.7	2.2	2.4	4.8	(Z)	.3	4.2
PACIFIC DIVISION	83	53	5.4	40.5	3.7	7.7	23.8	74.3	76.7	152.1	2.8	4.0	43.4
WASHINGTON	10	7	.4	2.5	.2	.5	1.5	5.3	6.0	11.5	(D)	[2] (D)	[2] (D)
OREGON	6	4	.3	1.9	.1	.3	.8	3.4	6.8	11.0	(D)	[2] (D)	[2] (D)
CALIFORNIA	66	42	4.8	36.1	3.3	7.0	21.5	65.6	63.9	129.6	(D)	3.7	38.5

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
3621-- MOTORS AND GENERATORS													
UNITED STATES	409	279	112.8	764.6	85.3	172.3	514.4	1 430.8	977.5	2 402.3	102.5	94.2	993.2
NORTHEAST REGION	104	77	33.1	237.2	24.1	49.1	155.1	478.1	316.4	794.8	32.5	29.5	345.9
NEW ENGLAND DIVISION	24	19	3.8	21.5	2.4	4.5	13.2	47.4	48.0	92.6	1.0	3.0	29.8
NEW HAMPSHIRE	6	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MASSACHUSETTS	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
CONNECTICUT	11	8	2.6	15.3	1.5	2.7	9.1	37.7	42.5	77.3	.8	1.9	23.8
MIDDLE ATLANTIC DIVISION	80	58	29.3	215.8	21.7	44.6	141.9	430.7	268.4	702.2	31.5	26.5	314.2
NEW YORK	33	24	17.1	135.3	13.1	27.0	92.5	269.1	180.5	450.6	24.6	15.3	184.9
NEW JERSEY	20	11	3.3	20.7	2.2	4.5	11.9	34.8	25.6	60.3	1.2	4.5	36.9
PENNSYLVANIA	27	23	8.9	59.8	6.4	13.1	37.5	126.8	62.4	191.3	5.7	6.7	92.4
NORTH CENTRAL REGION	178	126	56.9	408.0	43.1	86.4	275.9	690.7	460.6	1 150.8	50.8	51.0	525.2
EAST NORTH CENTRAL DIVISION	155	107	47.9	345.2	36.1	72.0	232.0	584.7	383.6	971.7	42.5	43.8	453.1
OHIO	44	34	23.3	179.6	17.6	35.6	121.8	297.3	191.8	494.8	22.1	21.5	236.2
INDIANA	21	15	10.4	70.6	8.3	16.1	51.4	124.8	80.2	207.6	9.1	8.3	95.1
ILLINOIS	39	25	4.0	22.7	3.2	5.8	15.3	42.3	28.6	69.8	3.6	3.7	31.9
MICHIGAN	23	15	3.6	21.1	2.8	5.8	14.2	31.6	27.4	59.9	1.4	3.6	25.7
WISCONSIN	28	18	6.6	51.2	4.3	8.6	29.4	88.7	55.5	139.6	6.3	6.7	64.3
WEST NORTH CENTRAL DIVISION	23	19	9.1	62.8	7.0	14.5	43.9	106.0	77.0	179.1	8.3	7.2	62.1
MINNESOTA	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	27.0
IOWA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MISSOURI	11	11	5.2	32.8	4.2	8.7	24.6	46.5	34.1	78.3	2.3	(D)	(D)
SOUTH REGION	58	44	16.5	76.8	13.9	28.1	56.9	173.4	137.6	309.0	16.0	8.5	82.8
SOUTH ATLANTIC DIVISION	23	17	6.0	29.3	4.4	9.2	18.0	53.5	32.7	86.2	3.0	3.2	23.1
MARYLAND	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
VIRGINIA	8	7	1.5	7.7	1.1	2.3	4.6	14.4	10.0	24.6	.4	.8	6.2
NORTH CAROLINA	6	5	2.2	10.4	1.7	3.6	7.0	20.6	7.8	28.5	1.5	[2] (D)	[2] (D)
SOUTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
FLORIDA	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
EAST SOUTH CENTRAL DIVISION	16	14	6.5	29.0	5.9	11.7	23.9	73.3	60.0	130.9	6.6	2.4	29.4
KENTUCKY	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
TENNESSEE	7	6	2.8	11.3	2.6	5.3	9.7	31.5	26.2	56.9	1.1	[2] (D)	[2] (D)
MISSISSIPPI	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST SOUTH CENTRAL DIVISION	19	13	3.9	18.5	3.6	7.2	15.0	46.6	44.9	92.0	6.3	2.9	30.9
ARKANSAS	10	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	27.5
WEST REGION	69	32	6.3	42.6	4.2	8.6	26.5	88.5	62.9	147.7	3.2	5.2	50.5
MOUNTAIN DIVISION	8	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
PACIFIC DIVISION	61	31	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	58	29	5.4	38.3	3.6	7.3	23.6	78.9	58.9	134.0	(D)	[2] (D)	[2] (D)
3622-- INDUSTRIAL CONTROLS													
UNITED STATES	476	169	50.4	350.9	34.8	69.6	210.7	720.9	388.6	1 102.8	34.3	33.0	450.5
NORTHEAST REGION	145	55	10.5	70.4	7.0	14.5	40.0	128.1	81.9	207.8	6.7	4.9	60.7
NEW ENGLAND DIVISION	53	23	5.2	32.1	3.4	7.1	18.6	64.1	35.9	98.7	3.7	2.0	23.0
MASSACHUSETTS	22	10	3.5	20.1	2.4	4.9	12.8	38.5	21.7	60.1	2.3	1.0	10.6
CONNECTICUT	27	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	12.3
MIDDLE ATLANTIC DIVISION	92	32	5.4	38.3	3.6	7.4	21.4	64.0	46.0	109.1	2.9	2.9	37.7
NEW YORK	43	12	3.5	27.3	2.3	4.8	15.0	44.0	28.9	72.4	1.6	1.8	25.1
NEW JERSEY	26	9	.9	4.3	.6	1.3	2.8	7.2	4.9	12.4	.4	.5	3.9
PENNSYLVANIA	23	11	1.0	6.7	.6	1.3	3.7	12.8	12.2	24.4	1.0	.6	8.7
NORTH CENTRAL REGION	163	69	25.0	177.1	17.6	34.9	112.2	373.4	192.8	564.0	21.7	21.6	306.6
EAST NORTH CENTRAL DIVISION	146	65	24.3	172.4	17.1	33.9	109.3	364.2	185.3	548.6	21.6	20.6	297.5
OHIO	34	10	2.5	19.2	1.5	3.0	9.9	35.4	21.4	56.9	(D)	2.4	30.2
INDIANA	11	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ILLINOIS	47	26	5.1	32.8	3.5	6.7	17.3	73.4	58.4	132.0	3.5	3.4	55.6
MICHIGAN	35	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WISCONSIN	19	11	14.2	103.0	10.5	21.2	73.5	220.5	85.4	304.3	16.1	12.6	191.5
WEST NORTH CENTRAL DIVISION	17	4	.7	4.7	.5	1.0	2.9	9.1	7.5	15.4	.1	1.0	9.1
MINNESOTA	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
SOUTH REGION	64	23	10.8	71.4	7.7	14.9	42.4	168.4	75.8	242.4	3.9	5.3	67.7
SOUTH ATLANTIC DIVISION	22	8	7.4	48.4	4.9	9.6	25.1	121.2	56.2	176.8	3.3	(D)	(D)
MARYLAND	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
VIRGINIA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST VIRGINIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
NORTH CAROLINA	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
SOUTH CAROLINA	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
GEORGIA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3622-- INDUSTRIAL CONTROLS--CON.													
SOUTH REGION--CON.													
EAST SOUTH CENTRAL DIVISION	10	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	32	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	28	8	.7	4.8	.4	.8	2.5	8.2	8.5	17.0	.2	[2](D)	[2](D)
WEST REGION	104	22	4.1	32.0	2.5	5.3	16.1	50.9	38.1	88.6	2.1	1.2	15.6
PACIFIC DIVISION	93	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	76	19	3.7	29.7	2.3	4.9	14.9	47.0	34.9	81.6	1.5	1.0	13.1
3623-- WELDING APPARATUS													
UNITED STATES	147	92	13.7	118.4	9.4	19.8	72.9	265.3	237.8	493.3	18.1	9.6	162.4
NORTHEAST REGION	40	23	2.2	16.4	1.4	2.9	8.9	51.5	52.3	100.0	1.5	1.7	36.2
NEW ENGLAND DIVISION	8	5	.3	2.1	.2	.4	1.3	3.5	2.9	6.1	.2	(D)	(D)
MIDDLE ATLANTIC DIVISION	32	18	1.9	14.3	1.2	2.5	7.7	48.1	49.4	93.9	1.4	(D)	(D)
NEW YORK	11	6	.6	4.6	.3	.7	2.0	19.2	14.9	34.1	(D)	.4	11.0
PENNSYLVANIA	16	11	1.3	9.2	.8	1.7	5.4	28.0	33.9	58.3	(D)	1.1	20.8
NORTH CENTRAL REGION	75	50	9.4	86.6	6.7	14.1	55.4	175.1	141.8	314.1	7.9	6.7	109.3
EAST NORTH CENTRAL DIVISION	64	44	8.8	82.9	6.3	13.4	53.3	168.2	132.0	297.3	7.6	6.4	105.2
OHIO	13	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.9	60.4
INDIANA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	10	5	.9	7.8	.5	1.1	3.8	12.9	6.5	19.1	.3	[2](D)	[2](D)
MICHIGAN	33	25	2.4	20.7	1.7	3.7	13.3	37.3	28.8	66.2	.8	1.8	23.2
WISCONSIN	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	13.5
WEST NORTH CENTRAL DIVISION	11	6	.5	3.7	.4	.8	2.1	7.0	9.8	16.8	.2	.3	4.1
MISSOURI	6	3	.3	2.3	.3	.5	1.4	4.1	6.3	10.4	.2	.1	1.4
SOUTH REGION	14	7	1.2	8.3	.8	1.6	4.7	24.7	31.5	52.9	8.2	.5	7.8
SOUTH ATLANTIC DIVISION	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MARYLAND	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	18	12	.9	7.1	.6	1.2	3.8	13.9	12.1	26.4	.6	.7	9.1
PACIFIC DIVISION	17	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	16	10	.8	6.5	.5	1.0	3.4	13.0	10.4	23.7	(D)	[2](D)	[2](D)
3624-- CARBON AND GRAPHITE PRODUCTS													
UNITED STATES	65	42	11.9	82.8	9.1	18.5	57.8	186.3	117.8	296.4	41.3	10.1	141.4
NORTHEAST REGION	31	18	6.1	42.6	4.5	9.0	27.8	74.3	57.3	128.5	23.3	5.1	55.3
MIDDLE ATLANTIC DIVISION	25	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	12	7	2.4	18.2	1.7	3.4	12.0	35.7	38.5	72.1	13.7	2.5	31.0
PENNSYLVANIA	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	22.4
NORTH CENTRAL REGION	18	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	18	13	2.6	18.3	2.1	4.4	13.4	38.7	19.7	57.1	3.1	(D)	(D)
OHIO	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	6	3	.2	1.7	.2	.3	1.2	2.9	2.0	4.7	.1	(D)	(D)
PACIFIC DIVISION	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3629--ELECTRICAL INDUSTRIAL APPARATUS, NEC													
UNITED STATES	219	123	17.9	103.7	14.0	27.4	69.2	188.3	141.3	328.8	12.3	14.0	141.6
NORTHEAST REGION	81	46	6.2	37.8	4.9	9.5	25.5	66.4	52.6	117.1	6.1	5.2	59.9
NEW ENGLAND DIVISION	16	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.0
MAINE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	4	4	.5	2.5	.5	.8	1.8	4.9	3.0	7.9	.1	.2	1.5
CONNECTICUT	8	3	.3	1.5	.3	.5	1.1	2.0	1.1	3.1	.1	.3	1.6
MIDDLE ATLANTIC DIVISION	66	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	54.9
NEW YORK	35	21	3.5	22.6	2.7	5.3	15.0	40.1	32.0	71.0	(D)	2.3	25.2
NEW JERSEY	18	9	.9	5.6	.7	1.4	4.1	9.6	10.4	19.5	.4	.5	4.5
PENNSYLVANIA	13	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	25.3
NORTH CENTRAL REGION	82	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	64	41	8.1	45.2	6.5	12.7	30.8	85.3	61.3	146.2	3.8	[2](D)	[2](D)
OHIO	15	9	2.9	17.8	2.1	4.4	12.0	35.1	24.1	58.4	1.4	[2](D)	[2](D)
INDIANA	11	9	2.7	13.2	2.3	4.3	9.5	27.2	19.6	47.2	1.7	[2](D)	[2](D)
ILLINOIS	22	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	13.7
MICHIGAN	13	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.7
WISCONSIN	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	18	11	1.1	6.3	.8	1.6	4.0	11.2	7.9	20.4	1.2	.5	7.2
MINNESOTA	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	6.2
MISSOURI	7	4	.5	3.0	.3	.5	1.5	3.9	3.5	8.3	.1	[2](D)	[2](D)
NEBRASKA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	17	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	39	20	1.8	10.5	1.3	2.6	6.6	19.7	13.3	32.9	1.0	(D)	(D)
MOUNTAIN DIVISION	5	2	.3	1.2	.2	.4	.8	1.5	1.0	2.5	.1	(D)	(D)
ARIZONA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	34	18	1.5	9.3	1.1	2.2	5.8	18.2	12.3	30.5	.8	(D)	(D)
WASHINGTON	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
CALIFORNIA	30	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	9.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. n.e.c. Not elsewhere classified. n.s.k. Not specified by kind. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over.

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Electric measuring instruments (SIC 3611)	Transformers (SIC 3612)	Switchgear and switchboard apparatus (SIC 3613)	Motors and generators (SIC 3621)	Industrial controls (SIC 3622)	Welding apparatus (SIC 3623)	Carbon and graphite products (SIC 3624)	Electrical industrial apparatus, n.e.c. (SIC 3629)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.84	.95	.89	.83	.83	.91	.96	.84
COVERAGE RATIO[2]	.79	.98	.90	.83	.81	.94	.96	.67
ESTABLISHMENTS, TOTAL .NUMBER	546	190	482	409	476	147	65	219
WITH 1 TO 19 EMPLOYEES .DO	272	68	199	130	307	55	23	96
WITH 20 TO 99 EMPLOYEES .DO	156	70	167	97	105	57	17	73
WITH 100 EMPLOYEES OR MORE .DO	118	52	116	182	64	35	25	50
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	61.5	45.6	68.5	112.8	50.4	13.7	11.9	17.9
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	423.9	317.6	488.0	764.6	350.9	118.4	82.8	103.7
PRODUCTION WORKERS:								
AVERAGE FOR YEAR 1,000	40.4	34.0	49.7	85.3	34.8	9.4	9.1	14.0
MARCH .DO	40.0	33.8	50.4	87.4	35.9	9.7	9.1	14.1
MAY .DO	40.6	33.5	50.0	85.3	35.5	9.7	9.3	14.3
AUGUST .DO	40.5	34.3	49.4	84.4	34.8	9.1	9.5	13.8
NOVEMBER .DO	40.7	34.3	49.0	84.2	32.9	9.1	8.6	14.1
MAN-HOURS .MILLIONS	78.7	68.5	100.5	172.3	69.6	19.8	18.5	27.4
JANUARY-MARCH .DO	20.1	17.0	25.3	45.0	18.4	5.3	4.7	7.0
APRIL-JUNE .DO	19.7	17.2	26.1	44.0	17.7	5.2	4.8	6.9
JULY-SEPTEMBER .DO	19.1	17.2	23.9	40.8	16.9	4.7	4.7	6.6
OCTOBER-DECEMBER .DO	19.8	17.1	25.3	42.5	16.7	4.6	4.4	7.0
WAGES MILLION DOLLARS	222.3	210.1	304.9	514.4	210.7	72.9	57.8	69.2
COST OF MATERIALS, ETC., TOTAL .DO	397.0	531.8	669.7	977.5	388.6	237.8	117.8	141.3
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	352.3	517.0	603.6	919.5	358.9	202.5	100.9	125.6
COST OF RESALES .DO	29.5	4.2	48.7	26.9	16.8	26.7	1.1	9.2
FUELS CONSUMED .DO	1.5	2.9	2.5	6.7	1.9	1.4	4.7	.6
PURCHASED ELECTRIC ENERGY .DO	5.0	6.4	6.6	11.9	4.7	2.2	9.2	1.8
CONTRACT WORK .DO	8.7	1.2	8.3	12.5	6.3	4.9	1.8	4.0
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	1 184.0	1 188.4	1 690.0	2 402.3	1 102.8	493.3	296.4	328.8
VALUE OF RESALES .DO	49.3	4.5	65.3	34.2	19.6	33.0	1.2	11.3
VALUE ADDED BY MANUFACTURE .DO	799.7	678.9	1 030.3	1 430.8	720.9	265.3	186.3	188.3
MANUFACTURERS' INVENTORIES:								
BEGINNING OF YEAR, TOTAL .DO	275.8	209.8	330.7	436.3	217.7	89.0	61.6	71.9
FINISHED PRODUCTS .DO	48.1	33.7	67.3	102.5	45.3	27.3	9.7	12.9
WORK IN PROCESS .DO	131.9	87.5	154.9	180.0	113.0	24.4	38.3	27.5
MATERIALS, SUPPLIES, FUEL, ETC. .DO	95.8	88.4	108.5	153.8	59.4	37.3	13.6	31.5
END OF YEAR, TOTAL .DO	283.9	240.3	338.2	457.4	224.2	98.5	69.4	71.3
FINISHED PRODUCTS .DO	50.1	48.2	73.0	109.3	43.2	32.1	11.1	14.5
WORK IN PROCESS .DO	142.6	95.3	159.3	179.2	121.7	29.4	44.5	25.8
MATERIALS, SUPPLIES, FUEL, ETC. .DO	91.1	96.7	106.0	168.9	59.3	37.0	13.7	31.1
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	55.3	53.4	41.1	106.2	37.2	18.9	41.8	12.9
NEW PLANT AND EQUIPMENT, TOTAL .DO	53.7	52.8	39.1	102.5	34.3	18.1	41.3	12.3
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	27.7	17.8	13.1	28.7	14.1	5.8	12.4	3.6
NEW MACHINERY AND EQUIPMENT .DO	26.0	35.0	26.0	73.8	20.2	12.3	28.9	8.8
USED PLANT AND EQUIPMENT .DO	1.5	.6	1.9	3.6	2.8	.7	.6	.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3611-- ELECTRIC MEASURING INSTRUMENTS											
ESTABLISHMENTS, TOTAL	546	61.5	423.9	40.4	78.7	222.3	799.7	397.0	1 184.0	53.7	283.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	162	.3	1.6	.3	.4	1.1	3.4	2.1	5.4	5.2	1.3
5 TO 9 EMPLOYEES[e]	53	.4	2.4	.3	.5	1.5	4.1	2.2	6.3	.2	1.2
10 TO 19 EMPLOYEES	57	.8	5.4	.6	1.2	3.4	8.8	5.5	14.1	.3	2.4
20 TO 49 EMPLOYEES	95	3.1	19.9	2.2	4.3	11.6	36.8	25.3	61.0	1.9	11.8
50 TO 99 EMPLOYEES	61	4.3	29.6	2.9	5.8	15.6	56.5	32.3	88.0	2.7	18.9
100 TO 249 EMPLOYEES	63	10.4	64.8	7.0	13.8	34.1	114.5	79.2	191.8	7.0	43.6
250 TO 499 EMPLOYEES	26	8.5	57.4	5.4	11.0	29.4	99.4	41.1	141.8	4.4	38.4
500 TO 999 EMPLOYEES	19	13.0	90.1	8.9	17.4	47.4	163.4	76.2	232.3	7.9	66.0
1,000 TO 2,499 EMPLOYEES	8	20.7	152.7	12.9	24.2	78.4	312.8	133.0	443.2	24.2	100.3
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	156	.4	2.1	.4	.5	1.4	3.9	2.3	6.2	.1	1.5
3612-- TRANSFORMERS											
ESTABLISHMENTS, TOTAL	190	45.6	317.6	34.0	68.5	210.1	678.9	531.8	1 188.4	52.8	240.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	35	.1	.4	.1	.1	.2	.8	.7	1.5	2.8	.3
5 TO 9 EMPLOYEES[e]	16	.1	.7	.1	.2	.4	1.2	1.1	2.3	.1	.4
10 TO 19 EMPLOYEES	17	.2	1.3	.2	.3	.8	2.7	2.6	5.2	(Z)	.8
20 TO 49 EMPLOYEES	43	1.5	8.2	1.2	2.4	5.5	16.1	15.5	31.3	.8	5.7
50 TO 99 EMPLOYEES	27	1.8	11.0	1.5	3.0	7.3	26.9	24.7	50.2	.6	11.1
100 TO 249 EMPLOYEES	20	3.1	17.9	2.4	5.1	12.5	44.4	41.0	84.2	1.4	16.0
250 TO 499 EMPLOYEES	11	4.2	26.5	3.2	6.2	17.2	63.8	58.2	118.2	4.5	29.3
500 TO 999 EMPLOYEES[e]	6	4.4	26.4	3.2	6.1	17.6	74.7	74.3	147.1	3.1	29.8
1,000 TO 2,499 EMPLOYEES	11	15.9	106.0	12.2	24.1	71.5	205.9	172.1	371.7	14.7	69.2
2,500 EMPLOYEES OR MORE	4	14.3	119.2	9.9	21.0	77.0	242.5	141.7	376.7	24.9	77.7
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	33	.1	.7	.1	.1	.4	1.3	1.1	2.4	.1	.5
3613-- SWITCHGEAR & SWITCHBOARD APPARATUS											
ESTABLISHMENTS, TOTAL	482	68.5	488.0	49.7	100.5	304.9	1 030.4	669.7	1 690.0	39.1	338.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	95	.2	1.0	.2	.2	.6	2.8	2.1	4.9	(Z)	1.0
5 TO 9 EMPLOYEES[e]	51	.3	2.2	.3	.4	1.3	5.1	4.5	9.4	.1	1.3
10 TO 19 EMPLOYEES	53	.7	5.2	.5	1.1	3.3	9.4	8.8	18.0	.3	2.7
20 TO 49 EMPLOYEES	105	3.2	23.2	2.3	4.7	14.1	46.5	42.9	88.7	4.7	13.1
50 TO 99 EMPLOYEES	62	4.4	29.8	3.3	6.8	18.9	56.2	55.4	110.6	1.8	19.0
100 TO 249 EMPLOYEES	56	8.9	55.4	6.5	13.2	35.4	126.4	115.2	236.6	6.4	47.4
250 TO 499 EMPLOYEES	22	8.0	51.9	5.8	11.6	32.3	122.1	85.4	208.8	4.0	41.4
500 TO 999 EMPLOYEES	26	18.0	112.5	13.3	26.8	71.3	228.5	119.4	348.6	6.0	79.2
1,000 TO 2,499 EMPLOYEES	8	11.8	92.4	8.6	18.6	59.8	207.4	126.7	329.4	8.8	60.3
2,500 EMPLOYEES OR MORE	4	13.0	114.4	8.9	17.1	67.9	226.0	109.4	334.9	7.0	72.9
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	102	.3	1.7	.3	.4	1.1	3.6	2.5	6.2	.1	1.2
3621-- MOTORS AND GENERATORS											
ESTABLISHMENTS, TOTAL	409	112.8	764.6	85.3	172.3	514.4	1 430.8	977.5	2 402.3	102.5	457.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	68	.1	.6	.1	.2	.4	1.5	1.1	2.6	[2]1.5	.4
5 TO 9 EMPLOYEES[e]	26	.2	1.0	.1	.3	.7	1.7	1.7	3.4	.1	.7
10 TO 19 EMPLOYEES	36	.5	3.4	.4	.7	2.1	6.5	4.6	11.2	.4	1.8
20 TO 49 EMPLOYEES	47	1.5	9.0	1.2	2.3	5.8	17.6	16.4	33.6	.6	5.3
50 TO 99 EMPLOYEES	50	3.6	21.4	2.8	5.3	13.6	41.4	40.8	77.7	1.9	20.0
100 TO 249 EMPLOYEES	70	11.5	68.5	9.1	18.3	45.9	126.9	91.7	218.3	5.2	45.3
250 TO 499 EMPLOYEES	55	20.4	114.5	16.3	33.0	80.6	232.9	194.6	422.6	17.7	76.9
500 TO 999 EMPLOYEES	32	24.2	152.0	18.6	37.5	103.9	274.7	176.5	454.5	18.1	90.1
1,000 TO 2,499 EMPLOYEES	20	29.6	213.3	20.7	41.6	135.9	381.6	243.5	615.3	21.8	130.5
2,500 EMPLOYEES OR MORE	5	21.1	181.0	15.9	33.2	125.5	346.1	206.7	563.2	35.2	86.5
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	70	.2	.9	.2	.2	.7	1.6	1.2	2.8	(Z)	.5
3622-- INDUSTRIAL CONTROLS											
ESTABLISHMENTS, TOTAL	476	50.4	350.9	34.8	69.6	210.7	720.9	388.6	1 102.8	34.3	224.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	150	.3	1.8	.3	.4	1.0	5.2	2.1	7.3	[2].4	1.1
5 TO 9 EMPLOYEES[e]	66	.4	3.3	.3	.6	1.8	6.5	4.3	10.7	.4	1.6
10 TO 19 EMPLOYEES	91	1.2	8.9	.8	1.6	4.7	18.0	13.8	31.2	.9	4.5
20 TO 49 EMPLOYEES	69	2.1	14.3	1.5	2.8	8.2	27.6	19.2	46.6	1.1	7.3
50 TO 99 EMPLOYEES	36	2.5	17.1	1.7	3.4	9.1	31.6	20.5	51.4	2.7	9.0
100 TO 249 EMPLOYEES	30	4.4	30.7	2.9	5.9	16.8	60.6	47.0	107.0	1.8	19.2
250 TO 499 EMPLOYEES	14	4.5	28.3	3.1	6.3	16.1	58.4	38.5	94.3	1.7	23.3
500 TO 999 EMPLOYEES	10	7.7	53.9	4.9	9.8	30.3	104.4	54.5	158.4	3.5	38.6
1,000 TO 2,499 EMPLOYEES	5	8.4	57.0	5.7	11.5	34.9	105.6	69.2	177.3	4.6	34.5
2,500 EMPLOYEES OR MORE	5	18.9	135.6	13.5	27.4	87.9	302.8	119.7	418.6	17.3	84.9
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	156	.4	2.6	.4	.5	1.5	6.2	2.9	9.1	.3	1.4

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3623-- WELDING APPARATUS											
ESTABLISHMENTS, TOTAL	147	13.7	118.4	9.4	19.8	72.9	265.3	237.8	493.3	18.1	98.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	32	.1	.4	.1	.1	.3	1.0	1.1	2.1	[2]8.0	.3
5 TO 9 EMPLOYEES	13	.1	.8	.1	.1	.5	1.7	1.6	3.3	(D)	.5
10 TO 19 EMPLOYEES	10	.1	.9	.1	.2	.6	1.9	1.7	3.6	(D)	.5
20 TO 49 EMPLOYEES	32	1.0	7.9	.7	1.6	4.8	14.3	12.4	26.3	(D)	5.1
50 TO 99 EMPLOYEES	25	1.8	15.2	1.2	2.5	8.1	36.1	31.7	66.3	(D)	11.0
100 TO 249 EMPLOYEES	26	4.3	31.4	3.0	6.5	20.4	82.7	83.8	162.2	2.5	35.1
250 TO 499 EMPLOYEES	5	1.7	15.9	.9	2.1	7.4	29.4	26.1	53.5	1.8	10.1
500 TO 999 EMPLOYEES	2	4.5	45.9	3.3	6.9	30.9	98.3	79.4	176.1	5.8	36.0
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	26	.1	.4	.1	.1	.3	1.0	1.1	2.1	.1	.4
3624-- CARBON AND GRAPHITE PRODUCTS											
ESTABLISHMENTS, TOTAL	65	11.9	82.8	9.1	18.5	57.8	186.3	117.8	296.4	41.3	69.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	11	(Z)	.2	(Z)	(Z)	.1	.4	.2	.6	(Z)	.1
5 TO 9 EMPLOYEES[e]	5	(Z)	.2	(Z)	.1	.2	.5	.2	.7	(Z)	.2
10 TO 19 EMPLOYEES	7	.1	.7	.1	.2	.5	1.2	.8	2.0	(Z)	.2
20 TO 49 EMPLOYEES	13	.4	2.6	.3	.6	1.4	4.5	1.8	6.1	.2	1.0
50 TO 99 EMPLOYEES	4	.3	2.6	.2	.4	1.4	5.0	2.2	6.9	.5	1.6
100 TO 249 EMPLOYEES	12	3.0	18.6	2.3	4.7	12.2	31.5	35.9	64.5	16.0	16.6
250 TO 499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	9	8.0	58.0	6.2	12.6	42.0	143.4	76.6	215.7	49.7	49.7
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3629-- ELECTRICAL INDUST. APPARATUS, NEC											
ESTABLISHMENTS, TOTAL	219	17.9	103.7	14.0	27.4	69.2	188.3	141.3	328.8	12.3	71.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	53	.1	.6	.1	.1	.4	1.3	1.4	2.7	(Z)	.4
5 TO 9 EMPLOYEES[e]	22	.1	.9	.1	.2	.6	1.7	1.3	3.0	.1	.5
10 TO 19 EMPLOYEES	21	.3	1.9	.2	.5	1.2	3.4	2.3	5.6	.3	.8
20 TO 49 EMPLOYEES	46	1.5	9.3	1.1	2.1	5.6	18.2	13.5	31.4	.6	4.7
50 TO 99 EMPLOYEES	27	2.0	10.9	1.6	3.0	7.1	18.9	16.0	33.8	1.0	6.4
100 TO 249 EMPLOYEES	33	5.3	30.2	4.3	8.3	20.5	53.6	34.6	88.2	2.7	17.7
250 TO 499 EMPLOYEES	12	4.2	21.5	3.2	6.5	14.8	38.3	28.7	66.4	1.7	17.5
500 TO 999 EMPLOYEES	4	4.3	28.5	3.4	6.7	19.1	52.9	43.6	97.8	6.0	23.3
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	49	.1	.8	.1	.2	.6	1.7	1.2	2.8	.1	.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e] Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2] Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3611	Electric measuring instruments.....1967..	1,184.0	919.9	180.1	84.0	84	1,165.1	919.9	245.2	79
	1963..	749.2	588.4	112.4	48.4	84	755.6	588.4	167.2	78
3612	Transformers.....1967..	1,188.4	1,113.3	60.1	15.0	95	1,133.6	1,113.3	20.3	98
	1963..	722.9	652.5	58.4	12.0	92	692.2	652.5	39.7	94
3613	Switchgear and switchboard apparatus.....1967..	1,690.0	1,435.1	177.6	77.3	89	1,598.5	1,435.1	163.4	90
	1963..	1,093.7	897.0	135.6	61.2	87	1,008.5	897.0	111.5	89
3621	Motors and generators.....1967..	2,402.3	1,926.6	383.4	92.3	83	2,319.0	1,926.6	392.4	83
	1963..	1,709.8	1,331.9	307.6	70.3	81	1,578.2	1,331.9	246.3	84
3622	Industrial controls.....1967..	1,102.8	872.7	183.3	46.8	83	1,071.4	872.7	198.7	81
	1963..	648.7	500.1	129.1	19.5	79	633.3	500.1	133.2	79
3623	Welding apparatus.....1967..	493.3	406.7	40.5	46.1	91	432.9	406.7	26.2	94
	1963..	330.2	287.7	20.4	22.1	93	324.9	287.7	37.2	89
3624	Carbon and graphite products.....1967..	296.4	282.5	12.7	1.2	96	295.8	282.5	13.3	96
	1963..	226.9	208.7	16.0	2.2	93	217.8	208.7	9.1	96
3629	Electrical industrial apparatus, n.e.c....1967..	328.8	268.2	50.2	11.6	84	398.5	268.2	130.3	67
	1963..	238.3	180.4	45.9	12.1	80	250.5	180.4	70.1	72

Note: See Appendix, Explanation of Terms. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The higher coverage ratio in 1967 compared with the 1963 figure primarily results from changes in the standard industrial classification system which reclassified wood chips from industry 2429, Special Product Sawmills, N.E.C., to industry 2421, Sawmills and Planing Mills, General.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Electric measuring instruments (SIC 3611)	Transformers (SIC 3612)	Switchgear and switchboard apparatus (SIC 3613)	Motors and generators (SIC 3621)	Industrial controls (SIC 3622)	Welding apparatus (SIC 3623)	Carbon and graphite products (SIC 3624)	Electrical industrial apparatus, n.e.c. (SIC 3629)	Other industries
	Total shipments and miscellaneous receipts	(X)	1,184.0	1,188.4	1,690.0	2,402.3	1,102.8	493.3	296.4	328.8	(X)
3611-	Electric measuring instruments	1,165.1	919.9	(10-20)	(10-20)	(under 2)	4.7	-	-	-	212.7
36111	Integrating instrument electrical	101.6	93.1	-	(2-5)	-	(under 2)	-	-	-	5.1
36112	Test equipment for testing electrical, radio, and communication circuits, and motors	700.4	554.9	-	0.3	-	-	-	-	-	145.2
36113	Other electrical measuring instruments	306.7	215.8	(10-20)	(5-10)	(under 2)	(over 2)	-	-	-	62.1
36110	Electric measuring instruments, n.s.k	56.5	56.1	-	-	-	-	-	-	-	0.4
3612-	Transformers	1,133.6	(Z)	1,113.3	(10-20)	-	-	-	-	-	(5-10)
36121	Natural-draft dry type transformers (specialty transformers)	207.7	-	207.6	(Z)	-	-	-	-	-	0.1
36122	Power and distribution transformers, except parts	790.3	-	776.3	(10-20)	-	-	-	-	-	(2-5)
36123	Power regulators, boosters, reactors, other transformers, and transformer parts	120.6	(Z)	114.6	-	-	-	-	-	-	6.0
36120	Transformers, n.s.k	14.9	-	14.9	(Z)	-	-	-	-	-	-
3613-	Switchgear and switchboard apparatus	1,598.5	1.6	(10-20)	1,435.1	6.3	57.9	(Z)	-	(5-10)	74.0
36131	Switchgear, except ducts and relays	455.7	-	(10-20)	402.3	2.1	1.1	-	-	(2-5)	29.2
36132	Power circuit breakers, all voltages	209.8	-	-	200.3	-	(under 2)	-	-	(2-5)	(5-10)
36133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 750 volts and under	378.0	1.0	-	339.4	4.2	15.2	(Z)	-	-	18.2
36134	Fuses and fuse equipment, under 2,300 volts (except power distribution cut-outs)	69.2	-	-	65.0	-	0.2	-	-	-	4.0
36135	Molded circuit breakers, 750 volts and under	170.2	0.6	-	155.6	-	8.9	-	-	-	5.1
36136	Duct, including plug-in units and accessories, 750 volts and under	62.8	-	-	60.8	-	1.8	-	-	-	0.2
36137	Relays, control circuit	193.7	(Z)	-	153.3	-	30.4	-	-	-	10.0
36130	Switchgear and switchboard apparatus, n.s.k	59.2	-	-	58.4	0.1	(under 2)	-	-	-	(under 2)
3621-	Motors and generators	2,319.0	(under 2)	(2-5)	(5-10)	1,926.6	(2-5)	(10-20)	-	(under 2)	366.1
36211	Fractional horsepower motors	842.5	(Z)	-	(under 2)	769.7	(under 2)	-	-	(under 2)	69.7
36212	Integral horsepower motors and generators, except for land transportation equipment	569.5	-	(2-5)	-	520.5	-	(5-10)	-	(under 2)	37.6
36213	Land transportation motors, generators, and control equipment and parts	133.4	-	-	(2-5)	70.4	-	(under 2)	-	-	58.1
36214	Prime mover generator sets, except steam or hydraulic turbine	232.7	-	-	-	81.9	-	(2-5)	-	-	(100-200)
36215	Motor-generator sets and other rotating equipment	345.6	(under 2)	(under 2)	-	329.5	(Z)	(under 2)	-	-	13.3
36216	Parts and supplies for motors, generators, and motor-generator sets except for land transportation equipment	158.8	-	-	-	119.2	-	-	-	-	39.6
36210	Motor and generators, n.s.k	36.6	-	-	(under 2)	35.4	(under 2)	-	-	-	(under 2)
36220	General industry power circuit devices and controls	1,071.4	8.4	(under 2)	75.4	6.8	872.7	(under 2)	(under 2)	(under 2)	106.0
3623-	Welding apparatus	432.9	(Z)	-	-	(under 2)	(under 2)	406.7	-	(over 2)	22.4
36231	Arc welding machines components, and accessories, except electrodes	138.2	-	-	-	-	-	129.3	-	(over 2)	(over 2)
36232	Arc welding electrodes, metal	166.3	-	-	-	-	-	163.7	-	-	2.6
36233	Resistance welders, components, accessories, and electrodes	88.0	(Z)	-	-	-	(under 2)	76.2	-	-	(over 2)
36230	Welding apparatus, n.s.k	40.4	-	-	-	-	-	37.5	-	-	(under 2)
36240	Carbon and graphite products	295.8	-	-	-	(under 2)	-	-	282.5	(Z)	(10-20)
3629-	Electrical industrial apparatus, n.e.c	398.5	3.9	(under 2)	(20-50)	(10-20)	(under 2)	2.8	(Z)	268.2	74.3
36291	Capacitors for industrial use (except for electronic applications)	112.5	0.2	-	(under 2)	-	(under 2)	-	-	68.9	42.7

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Electric measuring instruments (SIC 3611)	Transformers (SIC 3612)	Switchgear and switchboard apparatus (SIC 3613)	Motors and generators (SIC 3621)	Industrial controls (SIC 3622)	Welding apparatus (SIC 3623)	Carbon and graphite products (SIC 3624)	Electrical industrial apparatus, n.e.c. (SIC 3629)	Other industries
3629-36292	Electrical industrial apparatus, n.e.c.--Continued Rectifying apparatus	131.6	3.0	(under 2)	(20-50)	(5-10)	(under 2)	2.5	(Z)	66.2	21.9
36293	Other electrical equipment for industrial use	135.1	0.7	-	(5-10)	(5-10)	-	0.3	(Z)	114.0	9.6
36290	Electrical industrial apparatus, n.s.k.	19.4	-	-	-	-	-	-	-	19.1	0.3
	Other product shipments by 4-digit product group										
3357	Nonferrous wiredrawing and insulating products	(X)	(under 2)	-	-	(50-100)	-	-	(Z)	-	(X)
3444	Sheet metalwork	(X)	-	-	-	(2-5)	(Z)	-	-	(under 2)	(X)
3511	Steam engines and turbines	(X)	-	-	(under 2)	43.7	-	-	-	-	(X)
3519	Internal combustion engines, n.e.c.	(X)	-	-	-	(2-5)	-	-	-	-	(X)
3535	Conveyors and conveying equipment	(X)	(2)	-	-	(2)	-	(over 2)	-	-	(X)
3536	Hoists, cranes, and monorails	(X)	-	-	-	(over 2)	-	-	-	-	(X)
3542	Machine tools, metal-forming types	(X)	-	-	(under 2)	-	-	2.6	-	-	(X)
3548	Metalworking machinery, n.e.c.	(X)	-	-	(under 2)	(under 2)	-	(under 2)	-	(2-5)	(X)
3551	Food products machinery	(X)	-	-	-	(2-5)	-	-	-	-	(X)
3561	Pumps and compressors	(X)	(under 2)	(under 2)	-	21.7	-	(under 2)	-	-	(X)
3564	Blowers and fans	(X)	-	-	-	7.2	(under 2)	-	-	-	(X)
3566	Power transmission equipment	(X)	-	-	-	45.2	-	-	(under 2)	(under 2)	(X)
3567	Industrial furnaces and ovens	(X)	-	-	-	(under 2)	-	-	-	(over 2)	(X)
3573	Electronic computing equipment	(X)	(5-10)	-	-	-	-	-	-	-	(X)
3574	Calculating and accounting machines	(X)	(2-5)	-	-	-	-	-	-	-	(X)
3585	Refrigeration machinery	(X)	-	-	-	(5-10)	(under 2)	-	-	-	(X)
3599	Miscellaneous machinery, except electrical	(X)	(under 2)	-	(under 2)	(Z)	(under 2)	(Z)	(over 2)	(under 2)	(X)
3635	Household vacuum cleaners	(X)	-	-	-	(over 2)	-	(under 2)	-	-	(X)
3641	Electric lamps	(X)	-	(over 2)	-	-	-	-	-	-	(X)
3642	Lighting fixtures	(X)	-	(under 2)	(2-5)	(under 2)	(under 2)	-	-	-	(X)
3643	Current-carrying wiring devices	(X)	(under 2)	-	11.3	(under 2)	(20-50)	-	(under 2)	(5-10)	(X)
3644	Noncurrent-carrying wiring devices	(X)	(under 2)	-	5.5	-	(Z)	-	-	-	(X)
3651	Radio and TV receiving sets	(X)	(2-5)	-	(under 2)	-	-	-	-	-	(X)
3661	Telephone and telegraph apparatus	(X)	(5-10)	-	(under 2)	-	-	-	-	(under 2)	(X)
3662	Radio and TV communication equipment	(X)	0.3	(under 2)	(5-10)	(under 2)	(2-5)	(under 2)	-	(2-5)	(X)
3674	Semiconductors	(X)	(5-10)	-	-	-	(Z)	(under 2)	-	(under 2)	(X)
3679	Electronic components, n.e.c.	(X)	33.0	11.6	(under 2)	(under 2)	(50-100)	-	(under 2)	7.1	(X)
3691	Storage batteries	(X)	-	-	-	-	-	-	-	(over 2)	(X)
3693	X-ray apparatus and tubes	(X)	(5-10)	(under 2)	-	-	(Z)	-	-	-	(X)
3694	Engine electrical equipment	(X)	-	-	-	16.0	(2-5)	-	-	(under 2)	(X)
3714	Motor vehicle parts and accessories	(X)	-	-	-	(50-100)	-	-	-	-	(X)
3722	Aircraft engines and engine parts	(X)	-	-	-	(5-10)	-	-	-	-	(X)
3729	Aircraft equipment, n.e.c.	(X)	(1-2)	-	(under 2)	(10-20)	-	-	-	-	(X)
3811	Engineering and scientific instruments	(X)	19.1	-	-	12.7	-	-	-	-	(X)
3821	Mechanical measuring devices	(X)	17.3	-	(under 2)	(under 2)	1.0	(Z)	-	(Z)	(X)
3822	Automatic temperature controls	(X)	(Z)	-	(under 2)	-	13.6	-	-	-	(X)
3861	Photographic equipment and supplies	(X)	(2-5)	-	-	-	(under 2)	-	-	(Z)	(X)
3871	Watches and clocks	(X)	-	(under 2)	(under 2)	(2-5)	-	-	-	-	(X)
3993	Signs and advertising displays	(X)	-	-	(over 2)	-	-	-	-	-	(X)
	All other secondary products[1]	(X)	96.5	48.5	85.4	223.8	106.1	35.1	12.7	40.3	(X)
	Miscellaneous receipts, total	(X)	84.0	15.0	77.3	92.3	46.8	46.1	1.2	11.6	(X)
	Receipts for contract work materials	(X)	6.9	(under 2)	4.7	17.9	16.3	1.0	-	2.5	(X)
	Sales of scrap and refuse	(X)	(under 2)	(2-5)	4.9	9.2	2.3	(X)	(X)	(X)	(X)
	Receipts for installation	(X)	(2-5)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Receipts for research and development	(X)	3.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Receipts for repair work	(X)	10.1	(X)	1.4	20.8	3.6	2.3	(X)	(X)	(X)
	Other miscellaneous receipts	(X)	9.7	6.7	1.0	10.2	5.0	9.8	-	-	(X)
	Resales	(X)	49.3	4.5	65.3	34.2	19.6	33.0	1.2	9.1	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product code		Item	Other industries
		Listing of the other industries with over $2 million shipments of the primary products	
3611	1941	Sighting and fire control equipment	(10-20)
	3573	Electronic computing equipment	(2-5)
	3642	Lighting fixtures	(over 2)
	3661	Telephone and telegraph apparatus	(20-50)
	3662	Radio and TV communication equipment	79.1
	3673	Electron tubes, transmitting	(2-5)
	3674	Semiconductors	(2-5)
	3679	Electronic components, n.e.c	11.9
	3729	Aircraft equipment, n.e.c	2.4
	3811	Engineering and scientific instruments	3.3
	3821	Mechanical measuring devices	37.9
	3822	Automatic temperature controls	(10-20)
	3831	Optical instruments and lenses	2.7
	3861	Photographic equipment and supplies	(2-5)
3612	3644	Noncurrent-carrying wiring devices	(over 2)
	3694	Engine electrical equipment	(over 2)
3613	3642	Lighting fixtures	(2-5)
	3643	Current-carrying wiring devices	27.1
	3644	Noncurrent-carrying wiring devices	20.0
	3661	Telephone and telegraph apparatus	(2-5)
3621	1929	Ammunition, except for small arms, n.e.c	(5-10)
	3351	Rolled and drawn copper	(2-5)
	3461	Metal stampings	(over 2)
	3511	Steam engines and turbines	(20-50)
	3519	Internal combustion engines, n.e.c	49.9
	3531	Construction machinery	(10-20)
	3532	Mining machinery	(10-20)
	3548	Metalworking machinery, n.e.c	3.8
	3553	Wood working machinery	(over 2)
	3561	Pumps and compressors	(2-5)
	3566	Power transmission equipment	(5-10)
	3634	Electric housewares and fans	(5-10)
	3651	Radio and TV receiving sets	(over 2)
		Listing of the other industries with over $2 million shipments of the primary products.	
	3662	Radio and TV communication equipment	(5-10)
	3679	Electronic components, n.e.c	5.1
	3694	Engine electrical equipment	38.1
	3711	Motor vehicles	(over 2)
	3722	Aircraft engines and engine parts	(over 2)
	3729	Aircraft equipment, n.e.c	3.9
	3741	Locomotives and parts	(50-100)
	3811	Engineering and scientific instruments	(2-5)
	3822	Automatic temperature controls	6.2
	3842	Surgical appliances and supplies	(2-5)
	3871	Watches and clocks	11.8
3622	1999	Ordnance and accessories, n.e.c	(over 2)
	3494	Valves and pipe fittings	(10-20)
	3541	Machine tools, metal-cutting types	(2-5)
	3643	Current-carrying wiring devices	(10-20)
	3644	Noncurrent-carrying wiring devices	5.6
3622	3661	Telephone and telegraph apparatus	(10-20)
	3662	Radio and TV communication equipment	6.9
	3679	Electronic components, n.e.c	6.5
	3821	Mechanical measuring devices	5.0
	3822	Automatic temperature controls	17.3
3623	3351	Rolled and drawn copper	(over 2)
	3548	Metalworking machinery, n.e.c	2.6
	3643	Current-carrying wiring devices	(over 2)
	3714	Motor vehicle parts and accessories	(over 2)
3624	2818	Industrial organic chemicals, n.e.c	(over 2)
	3679	Electronic components, n.e.c	(over 2)
3629	3535	Conveyors and conveying equipment	(5-10)
	3642	Lighting fixtures	7.2
	3661	Telephone and telegraph apparatus	(over 2)
	3679	Electronic components, n.e.c	39.6

Note: Data shown parenthetically above are expressed in millions of dollars.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.

[1]These figures represent the total of all secondary products for 4-digit product groups not shown and the total of all the actual figures which are replaced by a range of values above because of disclosure.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3611- --	ELECTRIC MEASURING INSTRUMENTS, TOTAL	(X)	[1]1,165.1	(X)	755.6
	Integrating instruments, electrical:				
36111 --	As reported in the census of manufactures	(X)	[r]101.6	(X)	93.2
	As reported on Census annual Form MA-38B	(X)	[1r]101.6	(X)	89.2
	A.c. watt-hour meters:				
	Single phase:				
36111 10	Detachable types	3,415.6	[r]43.9	2,762.3	42.4
36111 12	Base types	(X)	(2)	(X)	(2)
36111 13	House types	(X)	(2)	(X)	(2)
36111 14	Switchboard types	(X)	(2)	(X)	(2)
36111 15	Polyphase	362.4	[r]9.3	235.0	8.4
36111 33	Combined watt-hour and demand meters, single phase and polyphase, and combined watt-hour and time switch meters	395.4	[r]15.0	173.8	12.5
36111 41	Demand meters (including kw. and kv.-a)	(X)	(2)	22.9	2.7
36111 51	Other electrical integrating meters, including d.c. watt-hour meters, ampere-hour meters, and other miscellaneous integrating instruments	(X)	[2r]8.0	(X)	[2]3.2
36111 61	Parts for integrating meters, electrical type (including meter mounting and test equipment), sold separately	(X)	[r]25.4	(X)	20.0
	Test equipment for testing electrical, radio, and communication circuits and motors:				
36112 --	As reported in the census of manufactures	(X)	[r]700.4	(X)	443.4
	As reported on Census annual Form MA-38B	(X)	[1r]667.2	(X)	428.4
	Test, measuring, and analyzing equipment for electronic and electrical circuits and equipment:				
	Voltage, current, and resistance measuring equipment (except multimeters):				
	Electronic:				
36112 20	Digital	(X)	[r]32.0	(X)	26.4
36112 21	Analog	(X)	[r]21.9	(X)	18.9
36112 22	Electrical (service-type equipment) (excluding panel meters)	(X)	[r]4.3	(X)	3.8
	Multimeters:				
36112 23	Electronic	(X)	[r]13.2	(X)	7.8
36112 24	Electrical	(X)	[r]7.5	(X)	2.7
	Power and energy measuring equipment:				
	Electronic:				
36112 25	Analog	(X)	6.9	(X)	3.8
36112 26	Digital				
36112 27	Electrical power measuring equipment, excluding integrating instruments	(X)	[r]1.4	(X)	1.8
	Frequency measuring equipment:				
	Frequency meters, electronic:				
36112 67	890 mc. and above	157.3	[r]39.6	5.5	1.8
36112 68	Other			16.8	17.7
36112 69	Frequency meters, electrical and mechanical			47.9	3.5
	Waveform measuring and/or analyzing equipment:				
	Oscilloscopes and plug-in accessories:				
36112 12	Under 10 mc	(X)	104.0	(X)	16.2
36112 13	10 mc. and over			(X)	53.9
36112 14	Oscillographs (low frequency)	(X)	[r]20.3	(X)	9.5
36112 16	Other waveform measuring and analyzing equipment				
	Signal generating equipment:				
36112 56	Audio	(X)	[r]16.0	(X)	11.5
36112 58	RF (over 20 kc. to 890 mc.)	(X)	[r]18.0	(X)	16.5
36112 59	Microwave (890 mc. and above)	(X)	[r]21.5	(X)	11.1
	Field strength and intensity measuring equipment (including RFI measuring equipment):				
36112 91	Electronic	(X)	[r]14.8	(X)	7.4
36112 92	Electrical	(X)	(3)	(X)	0.2
	Impedance and standing wave ratio measuring equipment (transfer function measuring equipment):				
36112 93	Electronic impedance and related measuring equipment	(X)	[r]7.4	(X)	6.4
36112 94	Standing wave measuring equipment (slotted lines, sliding shorts, reflectometers, and other SWR equipment)	(X)	2.3	(X)	5.6

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3611- --	ELECTRIC MEASURING INSTRUMENTS--Continued				
	Test equipment for testing electrical, radio, and communication circuits and motors--Continued				
36112 --	As reported on Census annual Form MA-38B--Continued				
	Test, measuring, and analyzing equipment for electronic and electrical circuits and equipment--Continued				
36112 96	Time measuring and counting equipment, electronic (electronic chronoscopes and chronometers, range calibrators, time interval measuring equipment, etc.) (excluding mechanical types)	(X)	r3.1	(X)	10.4
	X-Y plotters:				
36112 97	Electronic			(X)	9.1
36112 99	Other than electronic				
	Multifunction test and measuring equipment:				
36112 44	Combination and/or group test sets	(X)	r37.9	(X)	16.4
	Component part test sets:				
36112 45	Electron tube test equipment	(X)	r6.1	(X)	7.8
36112 46	Semiconductor test equipment	(X)	r9.1	(X)	5.9
36112 47	Other component part test sets and equipment	(X)	r5.9	(X)	4.5
36112 48	Equipment and subassembly test equipment, n.e.c.	(X)	r57.2	(X)	46.6
	Standards and calibration equipment for test and measuring equipment, excluding laboratory types:				
36112 71	Electronic	(X)	r14.6	(X)	7.4
36112 73	Electrical	(X)	8.3	(X)	5.6
36112 52	Microwave test equipment, n.e.c. (890 mc. and above)	(X)	20.5	(X)	13.6
36112 39	Analyzers for testing characteristics of internal-combustion engines	(X)	r31.0	(X)	27.5
36112 82	Associated devices for electronic and electrical test and measuring equipment, excluding component parts	(X)	17.6	(X)	21.0
36112 98	Other test, measuring and analyzing equipment for electronic and electrical circuits and equipment	(X)	[3]r96.0	(X)	26.1
	Other electrical measuring instruments:				
36113 --	As reported in the census of manufactures	(X)	306.7	(X)	204.7
	As reported on Census annual Form MA-38B	(X)	[1]r280.0	(X)	185.1
	Electrical indicating instruments (instruments wherein a pointer is made to move over a calibrated scale, such movement effected by action of the electrical current and/or voltage):				
	Panel type instruments, including aircraft types, but excluding instruments for use on motor vehicles which are capable of accuracies with + or - 2 percent of full scale indication, but including + or - 3 percent miniaturized instruments and rectifier instruments, and enclosable in a case suitable for mounting on a panel:				
	Panel types, other than ruggedized or sealed (generally of 2 percent accuracy, not exceeding 4.5-inch flange diameter):				
36113 12	A.c. (including moving iron vane and dynamometer types)	355.7	r4.1	367.0	4.6
36113 13	D.c. (including rectifier and self-contained thermocouple types)	3,891.8	r26.9	1,468.3	16.3
	Panel types, ruggedized or sealed (generally of 2 percent accuracy, not exceeding 4.5-inch flange diameter):				
36113 14	A.c. (including moving iron vane and dynamometer types)	213.7	r1.7	116.4	1.4
36113 15	D.c. (including rectifier and self-contained thermocouple types)	1,084.1	r9.8	607.0	6.4
	Panel types, with control of signal indicating means (including instrument relays):				
36113 16	Indicating	314.2	r6.8	121.0	10.1
36113 17	Nonindicating				
36113 18	All other panel type instruments	123.9	r6.2	81.3	4.2
	Switchboard instruments, generally of accuracies with + or - 1 percent of full scale indication, enclosable in a case suitable for mounting on a panel, and which are an end product, are magnetically shielded, and are 4 inches or larger in size:				
36113 23	A.c. (including moving iron vane and dynamometer types)	141.2	10.5	52.3	3.9
36113 25	D.c. (including rectifier and thermocouple types)			61.1	3.2
	Portable instruments, generally capable of accuracies within + or - 2 percent of full scale indication, enclosable in a case so that they can be moved and used at various locations, and which are an end product:				
	Portable types (accuracy rating 0.11 percent to 0.50 percent):				
36113 32	A.c. (current and voltage, including moving iron vane and dynamometer)	13.5	2.3	10.9	1.5
36113 33	D.c. (current and voltage)	28.4	2.1	10.9	1.2
36113 34	All other, including watt, var. P.F., phase angle, etc.			(NA)	0.2

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
	ELECTRIC MEASURING INSTRUMENTS--Continued				
	Other electrical measuring instruments--Continued				
	As reported on Census annual Form MA-38B--Continued				
	Electrical indicating instruments (instruments wherein a pointer is made to move over a calibrated scale, such movement effected by action of the electrical current and/or voltage)--Continued				
	Portable types (accuracy rating 0.51 percent to 2 percent):				
36113 36	A.c. (current and voltage, including moving iron vane and dynamometer)	18.7	r4.5	7.7	0.5
36113 37	D.c. (current and voltage)			7.3	0.5
36113 38	All other, including watt, var., P.F., phase angle, etc.			1.3	0.3
36113 35	Laboratory portable instruments, with accuracies within + or - 1 percent up to 1/10 percent of full scale or better, all case sizes	10.0	r0.9	9.6	2.6
36113 45	Other electrical indicating instruments except self-balancing types, motor vehicle ammeters and voltmeters	(NA)	r9.6	(X)	6.2
	Electrical recording instruments (portable and for panel mounting), excluding potentiometer and bridge self-balancing types:				
	Direct deflecting (direct acting), except temperature calibrated instruments (excluding oscillographic types):				
36113 60	A.c.	13.2	r4.5	6.0	1.8
36113 61	D.c.				
36113 62	Other	23.7	r9.7	7.7	3.7
	Oscillographic:				
36113 69	Galvanometer type	46.3	r88.7	23.3	59.1
36113 70	Oscilloscope type				
36113 72	Other electrical recording instruments	(X)	r39.7	(X)	21.0
36113 71	Parts for indicating and recording instruments	(X)	r21.8	(X)	14.2
36113 85	Ammeters and voltmeters for motor vehicles	2,425.8	2.7	1,870.3	2.8
	Instrument and relay (tripping) transformers:				
36113 82	5 kv.-a and under	(X)	r10.3	(X)	19.4
36113 83	Over 5 kv.-a	(X)	r17.2		
36110 00	Electrical measuring instruments, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	50.3	(X)	14.3
36110 02	Electrical measuring instruments, n.s.k. (Represents principally establishments with fewer than 10 employees. See Note.)	(X)	6.2		
3612- --	TRANSFORMERS, TOTAL	(X)	1,133.6	(X)	692.2
36121 --	Natural-draft dry type transformers (specialty transformers)	(X)	207.7	(X)	163.0
36121 13	Signalling, doorbell, and toy transformers	2.4	0.8	2.8	10.0
36121 15	Control transformers, 250 v.a. and smaller	0.3	1.6		
36121 17	Machine tool control transformers	0.6	5.3		
36121 21	Luminous tube transformers for hot and cold operation (1,000 volts and above)	0.6	5.8	0.4	3.9
36121 31	Ignition, including oil- and gas-furnace ignition applications but excluding internal combustion engine ignition	1.0	6.1	1.2	7.0
36121 40	Fluorescent lamp ballasts:				
	As reported on census of manufactures	42.1	118.8	38.4	93.3
	As reported on Census Form MQ36C	45.2	117.0	36.1	90.7
	Uncorrected power factor type:				
36121 61	Switch start 40 watt and under, total:				
36121 62	20 watt and less	7.7	3.1	8.9	3.3
36121 63	21 to 40 watt	2.1	1.7	2.1	1.8
36121 66	All other including rapid start	3.5	5.4	2.7	3.9
	Corrected power factor type:				
	Slimline and instant start:				
36121 67	Two lamp 96T12 and two 72T12	6.1	20.2	5.8	20.5
36121 68	Other slimline and instant start	1.0	4.8	1.0	5.3
	Rapid start:				
36121 71	Two lamp 40 watt	19.1	44.5	11.5	29.1
36121 72	800 to 1,000 ma	1.8	14.9	1.1	9.6
36121 73	1,500 ma	1.1	13.4	0.7	9.3
36121 74	Other rapid start	1.5	5.0	1.0	3.3
	Switch start:				
36121 75	20 watt and less	(D)	(D)	(Z)	0.1
36121 76	Two lamp 40 watt	0.6	1.7	0.9	2.6
36121 77	Other 21 to 40 watt	0.1	0.5	0.1	0.5
36121 78	Above 40 watt	(Z)	0.4	0.1	0.5
36121 79	All other	(D)	(D)	0.2	1.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3612- --	TRANSFORMERS--Continued				
36121 42	Series circuit lighting transformers	(4)	(4)	(NA)	(NA)
	Mercury vapor lamp transformers (ballasts), multiple-supply type:				
36121 43	Core and coil units	0.6	6.1		
36121 47	Indoor encased units	0.5	6.5	0.4	13.4
36121 49	Outdoor weatherproof units				
36121 53	Sodium vapor lamp transformers (ballasts) multiple-supply type	(4)	(4)		
	General-purpose transformers, 600 volts and below:				
36121 81	0.250 kv.-a. through 3 kv.-a.	1.2	8.6		
36121 85	Above 3 kv.-a.	2.1	24.1		
36121 89	Saturable core reactors	1.0	2.0		
36121 93	Voltage regulating transformers, except transmission and distribution voltage regulators	4.9	11.2	(NA)	35.0
36121 98	Miscellaneous specialty transformers and reactors, except electronic applications	(X)	49.6		
36121 00	Specialty transformers, n.s.k.	(X)	1.2	(X)	0.4

Product code	Product	Total shipments including interplant transfers					
		1967			1963		
		Quantity (1,000 units)	Total KVA (millions)	Value (million dollars)	Quantity (1,000 units)	Total KVA (millions)	Value (million dollars)
36122 --	Power and distribution transformers, except parts	(X)	(X)	1790.3	(X)	(X)	434.5
	Single-and three-phase transformers, 500 kv.-a. and smaller:						
	Distribution transformers, liquid-immersed, 167 kv.-a. and smaller, 18 kv. and below, including subway transformers:						
36122 03	50 kv.-a, and smaller	1,095.2	10.1	267.7			
36122 07	51 to 167 kv.-a.	67.4	2.6	38.0			
	All other distribution transformers and all other transformers, except special purpose transformers, liquid-immersed, all voltage ratings:						
36122 13	168 kv.-a. to 500 kv.-a., and 18 kv. and below	20.4	1.7	30.5	825.2	26.3	256.9
36122 15	500 kv.-a. and smaller, above 18 kv	6.9	0.1	18.0			
36122 18	Distribution and all other transformers except special purpose transformers, dry-type, all high voltage ratings, low voltage 601 volts and over	4.1	3.2	3.1			
	Single- and three-phase transformers, 501 kv.-a. through 10,000 kv.-a. Small power transformers, including transformers for primary unit substations, and all other transformers except special purpose transformers, liquid-immersed and dry-type, all voltages, based on self-cooled nameplate rating:						
36122 25	Liquid-immersed	13.0	18.1	113.6			
36122 27	Dry-type	24.4	1.2	20.8			
36122 29	Secondary unit substation transformers, liquid-immersed and dry-type, all kv.-a.'s, all high voltage ratings, low voltage 600 volts and under	6.4	13.4	45.9	9.4	17.4	78.9
36122 31	Single-and three-phase transformers, 10,000 kv.-a. and larger (Large power transformers, including primary unit substation transformers; all ratings of regulating transformers, and all other transformers, except special purpose transformers, liquid-immersed and dry-type, all voltages based on self-cooled nameplate rating for OA/FA, or OA/FA/FA or OA/FOA/FOA)	(NA)	(NA)	229.3	0.9	59.9	97.5
36122 35	Network transformers, liquid-immersed and dry-type, all ratings, less network protector	1.2	0.4	16.2	(NA)	(NA)	(NA)
36122 00	Power and distribution transformers, n.s.k.	(X)	(X)	7.2	(X)	(X)	1.2

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Value (million dollars)
3612- --	TRANSFORMERS--Continued				
36123 --	Power regulators, boosters, and reactors, other transformers, and transformer parts	(X)	120.6	(X)	90.3
36123 13	Transmission and distribution voltage regulators, single- and three-phase Induction voltage regulators, of all kv.-a. ratings, 1,201 volts and above	(X)	12.4		
36123 53	Step voltage regulators, 1,201 through 69,000 volts, 250 kv.-a. and smaller (single-phase), 2,500 kv.-a. and smaller (three-phase)	(X)	21.3		
36123 31	Reactor and special purpose transformers, liquid-immersed and dry-type, all voltages and kv.-a.'s, such as: Reactors, furnace transformers, rectifier transformers, locomotive transformers, grounding transformers, ground fault neutralizers, mobile transformers, mobile unit substation, and integral single-circuit unit substations	(X)	39.2	(X)	[5]50.4
36123 73	Renewal and repair parts for all specialty transformers	(X)	1.3		
36123 77	Parts and acessories for all transformers, except specialty transformers.	(X)	39.2	(X)	39.9
36123 00	Transformer parts and supplies, power regulators, boosters, and reactors, n.s.k.	(X)	7.2	(X)	([5])
36120 00	Transformers, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	12.5		
36120 02	Transformers, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	2.4	(X)	4.4

Product code	Product	Value of shipments (million dollars)	
		1967	1963
3613- --	SWITCHGEAR AND SWITCHBOARD APPARATUS, TOTAL	[1]1,598.5	1,008.5
36131 --	Switchgear, except ducts and relays:		
	As reported on the Census of Manufactures	455.7	[6]437.2
	As reported on Census Annual Form MA-36A	[1]441.5	[6]255.2
36131 11	Automatic and manual panels (generator, transformers, feed-control, etc.)	18.1	14.8
36131 12	Metal enclosed switchgear (using power circuit breakers, oil and oilless). All voltages above 600 volts up to and including 72 k.v.	130.0	
36131 13	Metal enclosed low-voltage switchgear assemblies (using power circuit breakers) 600 volts and below	73.8	97.3
36131 17	Metal enclosed bus bar structures, over 750 volts (for sale separately)	4.9	4.4
36131 31	Relays (except instrument and circuit), regulators, and miscellaneous switchboard devices (for sale separately)	60.7	40.0
	Power switching equipment (including attachment, auxilaries, bus supports and fittings, and accessories, but excluding power fuses sold separately):		
36131 41	Outdoor	82.6	43.1
36131 45	Indoor	5.9	6.3
36131 81	Power and ground connectors generally used in substation construction		
36131 91	Overhead transmission and distribution connectors (clamps, taps, terminals and splices)	31.3	
36131 93	Transmission and distribution connectors, n.e.c. (including underground deadends, hotline taps, stirrups, repair sleeves, etc.)		49.3
36131 83	Distribution cut-outs		
36131 51	Power and distribution fuses and fues links for 2,300 volts and over, a.c. services (excluding distribution cut-outs)	33.8	
36132 --	Power circuit breakers, and voltages:		
	As reported in the Census of Manufactures	209.8	[7]208.9
	As reported on Census Annual Form MA-36A	201.0	[7]99.1
36132 43	Power circuit breakers (sold separately) and three-phase automatic circuit reclosers (all voltages)	201.0	99.1
36133 --	Low voltage panelboards and distribution boards and other switching and interrupting devices, 750 volts and under:		
	As reported in the Census of Manufactures	378.0	304.2
	As reported on Census Annual Form MA-36A	[1]322.8	[1]282.4

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments (million dollars) 1967	1963
	SWITCHGEAR AND SWITCHBOARD APPARATUS--Continued		
	Panelboards (include enclosing cabinets):		
36133 11	Fusible (include combination switch and fuse)	39.9	31.2
36133 12	Circuit breaker	60.8	45.2
	Distribution switchboards:		
36133 15	Fusible	25.6	15.0
36133 17	Circuit breaker	36.9	36.3
36133 19	Other, including theater switchboards	13.7	9.0
36133 21	Open knift switches, parts and switch interiors	6.2	6.7
36133 23	Enclosed safety switches (including pull out types)	36.4	35.8
	Load centers:		
36133 24	Enclosed fusible, service entrance, and branch circuit cut-outs	9.1	14.8
36133 26	Circuit breaker type	33.1	26.7
36133 27	Time switches (repetitive with respect to fixed time of day)	8.6	10.7
36133 29	Other switches (excluding snap, toggle, push, etc., but including meter service equipment, other than meter mounting and test devices)	21.8	12.5
36133 98	Other switchgear and switchboard apparatus	42.1	38.4
36134 --	Fuses and fuse equipment, under 2,300 volts (except power distribution cut-outs):		
	As reported in the Census of Manufactures	69.2	41.9
	As reported on Census Annual Form MA-36A	[1]65.3	[1]40.0
36134 31	Nonrenewable plug fuses[8]	9.4	7.3
36134 51	Nonrenewable cartridge fuses[9]	33.1	13.2
36134 71	Renewable plug and cartridge fuses (including renewal links)	6.1	4.2
36134 93	Other fuses and open fuse material (including cut-outs, clips, bases, etc.)	16.5	15.2
36135 --	Molded case circuit breakers, 750 volts and under:		
	As reported in the Census of Manufactures	170.2	(7)
	As reported on Census Annual Form MA-36A	[1]166.4	[7]112.6
36135 11	Industrial type-assembled as complete units in supporting and enclosing housing of insulating materials		
36135 12	Residential or light duty type-(primarily) for load center application-assembled as complete units in supporting and enclosing housing of insulating materials	122.5	88.0
36135 31	Individually enclosed industrial type (exclude panelboards and busway plugs)		
36135 32	Enclosed individual or group of molded case circuit breakers in a single cabinet intended to function as service equipment	8.8	12.4
36135 98	Other molded case circuit breakers	35.0	12.2
36136 --	Duct, including plug-in units and accessories, 750 volts and under:		
	As reported in the Census of Manufactures	62.8	(6)
	As reported on Census Annual Form MA-36A	62.6	32.8
36136 11	Busways	62.5	31.0
36136 31	Trolley-type and lighting distribution duct		1.8
36137 --	Relays, control circuit:		
	As reported in the Census of Manufactures	193.7	(6)
	As reported on Census Annual Form MA-36A	186.0	r129.0
36137 01	A.c. and d.c. magnetic control circuit relays, excluding overload relays	171.8	119.4
36137 03	Overload relays	14.1	9.6
36130 00	Switchgear and switchboard apparatus, n.s.k. (represents principally establishments with 10 employees or more in 1967. See Note.)	53.3	
36130 02	Switchgear and switchboard apparatus, n.s.k. (represents principally establishment with fewer than 10 employees in 1967. See Note.)	5.9	16.2

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000)	Value (million dollars)	Quantity (1,000)	Value (million dollars)
3621- --	MOTORS AND GENERATORS, TOTAL[10]	(X)	[1]2,319.0	(X)	1,578.2
36211 --	Fractional horsepower motors (excluding hermetics):				
	As reported in the census of manufactures	(X)	842.5	(X)	620.3
	As reported on census annual form MA-36H	(X)	809.4	(X)	[1]592.4
36211 01	Automobile accessory motors (including all accessory motors, such as heater, convertible top, automatic windows, etc.; excluding starting motors and generators)	28.0	145.6	28.8	120.6
	Aircraft and space motor (excluding generators):				
36211 03	A.c.	0.1	19.6	0.1	13.7
36211 04	D.c.	0.2	22.2	0.1	12.8
36211 05	Toy motors (all sizes) (including those for advertising displays, etc.)	16.0	23.3	1.3	1.8
36211 07	Clock-type synchronous and subsynchronous timing motors			12.2	15.2
	Universal:				
	Cased motors (punching diameter):				
36211 08	Less than 2-1/8" in diameter	0.2	1.1	0.2	1.2
36211 09	2-1/8" in diameter and over but less than 2-7/16" in diameter	0.6	2.5	1.0	3.3
36211 10	2-7/16" in diameter and over but less than 2-7/8" in diameter	0.9	5.3	1.0	5.2
36211 11	2-7/8" in diameter and over but less than 3-3/16" in diameter	0.4	4.0	1.2	9.1
36211 12	3-3/16" in diameter and over but less than 3-11/16" in diameter	0.6	7.9	0.4	5.0
36211 13	3-11/16" in diameter and over but less than 4-3/8" in diameter	1.8	16.2	(Z)	3.2
36211 14	4-3/8" in diameter and over			(Z)	0.5
	Uncased motors (punching diameter) (consisting of stator, rotor, and brush holder mechanisms, without end shields bearings, or conventional frame, usually called "motor parts"):				
36211 15	Less than 2-1/8" in diameter	0.2	1.5	0.2	2.4
36211 16	2-1/8" in diameter and over but less than 2-7/16" in diameter				
36211 17	2-7/16" in diameter and over but less than 2-7/8" in diameter	0.2	0.9	0.2	0.9
36211 18	2-7/8" in diameter and over but less than 3-3/16" in diameter	(4)	(4)	0.1	0.8
36211 19	3-3/16" in diameter and over but less than 3-11/16" in diameter	0.9	4.3	0.5	2.6
36211 20	3-11/16" in diameter and over but less than 4-3/8" in diameter	0.1	[11]2.0	0.2	1.7
36211 21	4-3/8" in diameter and over			(Z)	0.5
	Direct current motors and generators (case diameter) (excluding automotive starting motors, generators, and accessory motors):				
36211 22	Less than 3" in diameter (up to 1/70 hp.)	2.7	19.5	0.6	9.5
36211 23	3" in diameter and over but less than 4-5/8" in diameter (1/70 hp. and over but less than 1/20 hp.)	0.1	5.4	0.1	2.3
36211 24	4-5/8" in diameter and over but less than 6" in diameter (1/20 hp. and over but less than 1/6 hp.)	0.1	5.2	0.3	6.4
36211 25	6" in diameter and over but less than 7-1/8" in diameter)1/6 hp. and over but less than 1 hp.)	0.1	7.7	0.7	13.9
36211 26	7-1/8" in diameter and over but less than 9" in diameter (1/6 hp. and over but less than 1 hp.)	(Z)	1.7	(Z)	3.2
	Alternating current:				
	Skeleton type shaded pole motors:				
	Less than 2-3/4" in diameter:				
36211 31	Less than 5 m.p.h.	4.3	10.7	3.9	9.7
36211 33	Over 5 m.p.h.	0.3	0.4	0.4	1.1
	2-3/4" in diameter and over:				
36211 35	Less than 5 m.p.h.	[12]0.9	[12]2.3	1.5	4.2
36211 37	5 m.p.h. and over but less than 35 m.p.h.	1.8	4.2	3.6	5.4
36211 39	35 m.p.h. and over	(12)	(12)	1.3	4.3
	Conventional type shaded pole motors (case diameters):				
36211 41	Less than 1-1/2" in diameter, all horsepower ratings built in this diameter			0.2	0.6
	1-1/2" in diameter and over but less than 2-1/2" in diameter:				
36211 42	Less than 5 m.p.h.	6.9	10.3	1.7	2.2
36211 43	5 m.p.h. and over but less than 16 m.p.h.			1.4	5.5
36211 44	16 m.p.h. and over			0.8	1.5
	2-1/2" in diameter and over but less than 3-3/4" in diameter:				
36211 45	Less than 16 m.p.h.	5.2	18.2	3.7	13.3
36211 46	16 m.p.h. and over but less than 1/20 hp.	13.9	36.1	6.4	19.6
36211 47	1/20 hp. and over but less than 1/10 hp.	0.5	2.2	0.3	1.2
36211 48	1/10 hp. and over				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000)	Value (million dollars)	Quantity (1,000)	Value (million dollars)
3621- --	MOTORS AND GENERATORS--Continued				
36211 --	Fractional horsepower motors (excluding hermetics)--Continued				
	3-3/4" in diameter and over but less than 4-1/2" in diameter:				
36211 49	Less than 16 m/p.h.	0.2	1.7	(Z)	0.3
36211 51	16 m.p.h. and over but less than 1/20 hp.			0.2	1.8
36211 52	1/20 hp. and over but less than 1/10 hp.	0.4	2.3	0.4	4.1
36211 53	1/10 hp. and over.	0.1	1.3	0.1	1.0
	4-1/2" in diameter and over but less than 5-1/4" in diameter:				
36211 54	Less than 1/20 hp.	2.3	16.6	0.1	0.6
36211 55	1/20 hp. and over but less than 1/10 hp.			1.0	6.6
3621156-58	1/10 hp. and over.	0.7	5.8	0.5	6.0
36211 59	5-1/4" in diameter but less than 9" in diameter (all hp. ratings).	2.3	21.3	1.8	17.6
	Other a.c. motors (case diameter) (including subfractional and fractional synchronous and subsynchronous timing motors, other than clock type):				
36211 61	Less than 2-1/2" in diameter, all horsepower ratings built in this diameter.	0.2	11.1	0.1	6.7
	2-1/2" in diameter and over but less than 3-3/4" in diameter:				
36211 62	Less than 16 m.p.h.	0.9	14.0	0.3	6.7
36211 63	16 m.p.h. and over but less than 1/20 hp.	0.2	5.4	0.2	4.0
36211 64	1/20 hp. and over but less than 1/10 hp.			(Z)	0.5
36211 65	1/10 hp. and over but less than 1/4 hp.	0.3	3.4	(Z)	1.6
36211 66	1/4 hp. and over.			(Z)	0.7
	3-3/4" in diameter and over but less than 4 3/8" in diameter:				
36211 67	Less than 16 m.p.h.			(Z)	0.6
36211 68	16 m.p.h. and over but less than 1/20 hp.			(Z)	1.7
36211 69	1/20 hp. and over but less than 1/10 hp.	1.9	25.1	0.1	1.7
36211 70	1/10 hp. and over but less than 1/6 hp.			(Z)	0.4
36211 71	1/6 hp. and over.			0.8	8.4
	4-3/8" in diameter and over but less than 5-3/8" in diameter:				
36211 72	Less than 1/20 hp.	0.1	1.5	(Z)	0.5
36211 73	1/20 hp. and over but less than 1/10 hp.	0.4	6.0	0.4	5.6
36211 74	1/10 hp. and over but less than 1/6 hp.	0.6	8.6	0.3	4.3
36211 75	1/6 hp. and over but less than 1/3 hp.	0.4	5.8	0.1	3.6
36211 76	1/3 hp. and over.			0.1	4.1
36211 81	5-3/8" in diameter and over but less than 6" in diameter: (less than 1 hp.)	8.4	111.2	([13])	([13])
36211 83	6" in diameter and over but less than 7-1/8" in diameter: (less than 1 hp.)	13.6	174.9	10.6	130.1
36211 85	7-1/8" in diameter and over but less than 9" in diameter: (less than 1 hp.)	2.1	11.1	([13])	([13])
36212 --	Integral horsepower motors and generators, other than for land transportation equipment (excluding hermetics):				
	As reported on the census of manufactures MC36C.	(X)	569.5	(X)	380.2
	As reported on census annual form MA-36H.	(X)	[1]584.0	(X)	[1]363.5
	Integral horsepower motors (excluding cranking motors for internal combustion engines; propulsion motors for land transportation; motors mounted on the same shaft as arc welding generators; and hermetics):				
36212 01	Aircraft and space motors (including a.c. and d.c. but excluding generators) all integral hp. ratings.	2.5	0.5	51.2	4.1
	Alternating current:				
36212 03	5-3/8" in diameter and over but less than 6" in diameter (1 hp. and over).	134.7	3.5	[13]4.9	[13]62.1
36212 05	6" in diameter and over but less than 7-1/8" in diameter (1 hp. and over).	421.0	12.6	0.1	3.9
36212 07	7-1/8" in diameter and over but less than 9" in diameter (1 hp. and over).	84.9	4.7	[13]0.2	[13]7.5
36212 11	Single phase, all hp. ratings.	261.9	19.0	178.4	14.7
	Polyphase--induction:				
36212 21	1 to 5 hp.	1,177.1	91.1	752.3	58.0
36212 22	5.1 to 20 hp.	457.8	72.7	272.9	51.6
36212 23	21 to 50 hp.	122.0	49.3	73.0	30.0
36212 26	51 to 125 hp.	54.5	48.6	28.0	30.0
36212 27	126 to 200 hp.	13.6	26.8	9.4	19.3
36212 28	201 to 500 hp.	6.9	31.1	3.0	16.4
36212 29	Over 500 hp.	2.4	44.2	1.1	18.1

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000)	Value ($1,000)	Quantity (1,000)	Value ($1,000)
36212 --	Integral horsepower motors and generators, other than for land transportation equipment (excluding hermetics)--Continued				
	Synchronous motors:				
36212 31	450 r.p.m. or below (all hp. ratings)	0.3	8.6	0.4	6.3
36212 32	Above 450 r.p.m. (all hp. ratings)	2.3	14.5	0.9	8.4
	Direct current motors and generators (excluding all arc welding generators, battery charging generators for internal combustion engines and generators used as an integral part of land transportation equipment):				
36212 41	1 to 5 hp. (3/4-4 kw.)	17.7	9.6	13.8	5.3
36212 42	5.1 to 20 hp. (4.1-15 kw.)	13.9	15.2	10.7	11.3
36212 43	21 to 50 hp. (16-40 kw.)	8.2	16.2	7.8	9.4
36212 46	51 to 200 hp. (41-150 kw.)	8.1	26.1	4.3	14.2
36212 47	201 to 500 hp. (151-400 kw.)	1.2	12.7	1.7	14.1
36212 48	Over 500 hp. (over 400 kw.)	0.5	27.8	0.3	17.0
	Alternating current generators (exclude all arc welding generators, generators used as a integral part of land transportation equipment, steam-, gas-, and hydraulic-turbine driven generators, and aircraft and space generators):				
36212 51	450 r.p.m. and slower speeds (all kw. ratings)	(Z)	2.9	0.1	1.4
36212 53	Over 450 r.p.m.:				
36212 53	3/4 to 5 kw	15.0	2.4	8.0	1.3
36212 54	5.1 to 15 kw	12.7	5.4	4.8	3.2
36212 55	15.1 to 50 kw	6.5	7.9	5.8	6.3
36212 56	50.1 to 150 kw	5.5	9.8	2.9	3.4
36212 57	150.1 to 400 kw	1.0	4.3	0.8	3.5
36212 59	Over 400 kw	0.8	15.2	0.4	7.5
36213 --	Land transportation motors, generators, and control equipment, and parts and supplies:				
	As reported in the census of manufactures	(X)	133.4	(X)	89.8
	As reported on census annual form MA-36H	(X)	[1]127.9	(X)	[1]89.5
36213 11	Railway motors and generators, including those used for control purpose (for trolley cars, trolley coaches, rapid transit cars, trolley locomotives, third-rail locomotives, multiple unit cars for railway service, and mining locomotives) and parts and supplies	(X)	22.7	(X)	33.6
36213 31	Motors and generators, including those used for control purposes, for gasoline-electric and diesel-electric buses, tracks, locomotives, rail cars, and parts and supplies	(X)	46.3	(X)	31.3
36213 51	All other land transportation motors, including those used for control purposes, for storage-battery powered transportation equipment (for industrial trucks, mining locomotives, and other transportation equipment) and parts and supplies	(X)	15.2	(X)	6.5
36213 98	Other electrical apparatus for land transportation equipment	(X)	43.5	(X)	17.8
36214 --	Prime mover generator sets, except steam or hydraulic turbine:				
	As reported in the census of manufactures	(X)	232.7	(X)	104.6
	As reported on census annual form MA-36H	(X)	[1]242.2	(X)	[1]102.7
	Generator set units except steam, gas, and water turbine sets:				
	Gas and/or gasoline engine driven generator sets:				
36214 12	D.c. output (all ratings)	13.8	8.3	6.5	4.3
	A.c. output:				
36214 13	Under 3/4 kw	9.4	0.9	0.5	0.1
36214 14	3/4 kw. to 5 kw	87.4	32.7	41.1	13.3
36214 15	5.1 kw. to 15 kw	23.9	23.3	4.8	6.5
36214 17	15.1 kw. to 35 kw	1.0	2.2	1.8	6.1
36214 18	35.1 kw. to 100 kw	1.1	4.4		
36214 19	100.1 kw. and over	0.3	4.6		
	Diesel-engine driven generator sets:				
36214 31	D.c. output (all ratings)	([14])	([14])	0.9	3.2
	A.c. output:				
36214 41	14 kw. and under	4.4	8.9	4.1	8.9
36214 42	14.1 kw. to 50 kw	3.8	20.3		
36214 43	50.1 kw. to 100 kw	2.4	18.7	3.2	24.8
36214 44	100.1 kw. to 250 kw	2.9	28.3		
36214 45	250.1 kw. to 500 kw	0.3	9.7	0.6	35.4
36214 46	500.1 kw. to 1,000 kw	0.2	11.5		
36214 47	1,000.1 kw. and over	0.3	50.1		
	Dual fuel (oil and gas) engine driven generator sets:				
36214 51	All ratings a.c. or d.c. output	(Z)	15.3	(NA)	(NA)
36214 73	Other generator set units, including wind-driven (except steam gas turbine and water turbine sets and motor-generator sets)	[14]0.7	[14]2.2	(NA)	(NA)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000)	Value (million dollars)	Quantity (1,000)	Value (million dollars)
36215 --	Motor generator sets and other rotating equipment:				
	As reported in census of manufactures	(X)	345.6	(X)	246.2
	As reported on census annual form MA-36H	(X)	[1]336.5	(X)	[1]239.1
36215 11	Synchronous converters and double current generators	14.9	6.9	14.9	5.2
	Other motor-generator sets:				
36215 21	Fractional horsepower, a.c. and d.c. output (less than 3/4 kw.)	20.9	3.6	62.7	8.2
	Integral horsepower:				
	A.c. output, based on the rating of the largest a.c. generator:				
36215 32	3/4 to 150 kw	8.6	19.1	6.9	18.5
36215 33	Over 150 kw	0.1	2.2	0.1	2.1
	D.C. output, based on the rating of the largest d.c. generator:				
36215 34	3/4 to 150 kw	7.7	21.9	9.7	17.2
36215 36	Over 170 kw	0.2	13.1	0.4	16.0
	Other rotating equipment:				
36215 53	Synchros, servos, rate generators, resolvers, and combinations (including subfractional-under 1/100 hp. motors)	(X)	98.8	(X)	50.1
36215 57	Synchro-type components			(X)	2.8
36215 97	All hermetic motors	[15]15.8	156.6	[15]11.2	106.9
36215 98	All other rotating equipment	(X)	14.0	(X)	11.5
36216 11	Parts and supplies for motors, generators, and motor-generator sets, except for land transportation equipment	(X)	158.8	(X)	127.6
36210 00	Motors, generators and generator sets, n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	33.8	(X)	9.4
36210 02	Motors, generators and generator sets, n.s.k. (For establishment with less than 10 employees. See Note.)	(X)	2.8		

	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
36220- --	INDUSTRIAL CONTROLS, TOTAL	[1]1,071.4	633.3
	Industrial control:		
	As reported in the Census of manufacturers	1,071.4	633.3
	As reported in the Census annual Form MA-36A	983.5	616.3
	General industry devices:		
36220 12	A.c. full voltage starters 600 volts or less, excluding controls for packaged adjustable speed drives and synchronous motor starters	107.3	81.9
36220 13	A.c.contractors, 600 volts or less, excluding controls for packaged adjustable speed drives and synchronous motor field control	21.8	16.2
36220 14	A.c. reduced voltage controls, 600 volts or less	43.9	21.7
36220 16	Motor control centers, 600 volts or less	72.8	50.5
36220 18	Starters and contactors for squirrel cage and wound rotor and synchronous Motors, over 600 volts, air break and oil immersed	28.2	14.2
36220 19	D.c. general purpose controls	12.4	4.8
36220 41	Resistance welding controls, electronic and magnetic	8.8	8.2
36220 43	Pilot circuit devices, such as limit switches, interval timers, etc. (excluding relays)	90.1	69.9
36220 44	Pushbuttons and pushbutton stations but excluding operators' desks and stations	60.4	28.5
36220 81	Rheostats and resistors (except for electronic applications) sold separately, n.e.c	[16]11.4	[16]12.1
	Specific application controllers, including all systems:		
36220 45	Marine and Navy auxiliary controls and accessories	26.7	20.6
	Controls, constant and adjustable voltage, including all operators' desks and stations:		
36220 47	Metal mill	50.3	29.8
36220 48	Crane and hoist	18.6	12.4
36220 49	Metal mill, crane, and hoist accessories, sold separately	3.7	2.4
36220 74	Other specific special purpose a.c. and d.c. controllers, such as nonmetal mill and air-conditioning; specially engineered control assemblies; and all other controllers, n.e.c., whether magnetic or static	215.6	120.1
36220 96	Controls for packaged adjustable speed drives, including electronic and nonelectronic and operators' desks and stations	61.0	29.0
36220 98	All other general industry devices (including brakes and low voltage synchronous motor starters	84.9	44.8
36220 99	Renewal parts for industrial control equipment	65.6	49.2

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3623- --	WELDING APPARATUS, TOTAL	.....	(X)	[1]432.9	(X)	324.9
36231 --	Arc welding machines, components, and accessories, except electrodes	.....	(X)	[1]138.2	(X)	104.5
	Arc welding machines:					
	Alternating current transformer arc welders:					
36231 11	180 amps. and below	1,000 units...	58.3	4.2	72.5	7.8
36231 15	Over 180 amps	...do.....	96.0	14.0	55.1	9.5
	Direct current arc welders:					
36231 31	Generators only	...do.....	40.5	27.6	7.8	3.9
36231 32	Rectifier types, including a.c.-d.c	...do.....			16.1	12.6
	Complete units only:					
36231 33	Engine driven	...do.....	43.4	34.6	34.6	30.5
36231 35	Motor driven	...do.....				
36231 98	Accessories for arc welding machinery (including electrode holders, ground clamps, arc torches, automatic welding heads, semiautomatic welding guns, standard positioners, etc.; excluding welding rods)	.....	(X)	45.4	(X)	36.5
36231 00	Arc welding machines, components, and accessories, n.s.k	.....	(X)	14.8	(X)	3.7
36232 --	Arc welding electrodes, metal	.....	(X)	166.3	(X)	148.3
	Covered electrodes:					
36232 11	Mild steel	million lbs...	511.8	75.0	465.1	68.8
36232 23	Low alloy steel, except hard surfacing	...do.....	51.6	10.2	42.8	12.9
36232 25	Stainless steel (chromium 4 percent or more)	...do.....	20.3	22.1	13.8	17.8
36232 31	Nonferrous, except hard surfacing	...do.....	3.8	12.7	9.5	10.3
36232 41	Hard surfacing, all types (including tool steel)	...do.....	22.0	11.8	15.1	15.9
36232 53	Coiled, spooled, straightened cut and flux cored, all metals, for automatic arc welding and inert gas shielded arc welding (including electrodes for submerged arc welding bare wire)	...do.....	138.7	34.2	98.6	22.5
36232 00	Metal arc welding electrodes, n.s.k	.....	(X)	0.3	(X)	0.2
36233 --	Resistance welders, components, accessories and electrodes	.....	(X)	88.0	(X)	68.3
36233 13	Spot and projection welders--single electrode, including gun types	1,000 units...	4.9	13.7	8.9	23.8
36233 23	Spot and projection welders--multi-electrode, including gun types	...do.....	1.0	15.3		
36233 31	Seam welders	...do.....	0.3	3.2	0.2	4.2
36233 41	Flash, upset and butt welders	...do.....	1.6	5.0	0.9	3.0
36233 51	Other resistance welders	.....	(X)	22.3	(X)	15.4
36233 61	Resistance welder transformers (sold separately)	1,000 units...	6.8	3.1	7.8	2.3
36233 71	Resistance welder electrodes	million lbs...	2.5	4.4	1.7	4.3
36233 81	Resistance welder accessories, including electrode holders, etc.	.....	(X)	10.7	(X)	12.4
36233 00	Resistance welders, components, accessories and electrodes, n.s.k.	.....	(X)	10.3	(X)	2.9
36230 00	Welding apparatus, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	.....	(X)	35.8	(X)	3.8
36230 02	Welding apparatus, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	2.1		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3624- --	CARBON AND GRAPHITE PRODUCTS, TOTAL	[1]295.8	217.8
	Carbon and graphite products:		
	Contacts, and brush plates:		
36240 11	Automotive (starter and generator) brushes, including replacement brushes (automotive and light truck type - 6 to 12 volts, inclusive) and those that are coded (excluding automobile accessory brushes)	12.2	11.4
36240 12	Other fractional horsepower brushes and contacts, including replacement brushes (brushes 1/4 square inch or less in cross section or 1-1/2 inches long or less but larger than a miniature brush) and automobile accessory brushes	6.5	7.2
36240 14	Miniature brushes (brushes having a cross-sectional area of less than 1/64 square inch with the thickness and width thereof less than 1/8 inch or, in the case of a cylindrical brush, a diameter less than 1/8 inch)	0.4	
36240 15	Other industrial brushes and contacts (brushes over 1/4 square inch in cross section and over 1-1/2 inches long)	14.2	18.8
36240 17	Brush plates	4.2	1.9

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments, including interplant transfers (million dollars)	
		1967	1963
3624- --	CARBON AND GRAPHITE PRODUCTS --Continued		
	Carbon and graphite products--Continued		
	Electrodes:		
	Electrodes for electric furnaces and electrolytic cell use, including paste for self-bake electrodes:		
36240 52	Carbon	147.6	25.2
36240 56	Graphite		78.4
	All other carbon and graphite products:		
36240 81	For electrical uses, including welding products--rods, plates, paste brazing and soldering tips; illuminating carbons; pile and rheostat resistance discs, plugs, plates and rods; power tube and rectifier parts and plates or rods; spectroscopic products; battery; electronic graphite; telephone components; resistance elements; etc. (excluding silver or other metal contacts)	32.0	26.0
36240 83	For mechanical uses, including one-piece seals, bushings and bearings, packing rings for steam seal, rotor vanes, etc. (excluding metallic oilless bearings)	18.5	11.7
36240 86	For aerospace uses, including unmachined stock and machined items	52.7	36.0
36240 87	For nuclear uses, including unmachined stock and machined parts for use in nuclear reactor and/or in processing nuclear materials		
36240 89	For all other uses, including chemical, metallurgical, refractory, etc		
36240 00	Carbon and graphite products, n.s.k. (represents principally establishments with 10 employees or more in 1967. See Note.)	7.0	1.2
36240 02	Carbon and graphite products, n.s.k. (represents principally establishments with fewer than 10 employees in 1967. See Note.)	0.5	

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value ($1,000)	Quantity	Value ($1,000)
3629- --	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C., TOTAL	.....	(X)	[1]398.5	(X)	250.5
36291 --	Capacitors for industrial use (except for electronic applicators).	.....	(X)	112.5	(X)	51.4
36291 11	Power capacitors, including shunt and series capacitors and accessories	.....	(X)	47.8	(X)	22.2
	A.c. capacitors (except electrolytic):					
36291 31	General purpose for motors, controls, etc	Million units.	15.2	36.3	6.1	14.4
36291 35	Capacitors for fluorescent lamp ballasts	...do.....	21.7	13.5	18.4	12.1
36291 98	Other capacitors, except for electronic applications	.....	(X)	13.0	(X)	2.8
36291 00	Capacitors for industrial use, n.s.k	.....	(X)	1.9	(X)	-
36292 --	Rectifying apparatus	.....	(X)	131.6	(X)	86.9
	Rectifying (power conversion) apparatus (except for electronic applications) including all apparatus using semiconductors and/or electron tubes as power conversion means:					
	Semiconductor power conversion apparatus:					
	Semiconductor battery charges:					
36292 21	Automotive	1,000 units...	440.1	13.9	758.6	16.4
36292 25	Industrial and railroad	...do.....	109.3	11.7	182.3	9.6
36292 31	Semiconductor computer supplies	.....	(X)	1.0	(X)	([17])
	Semiconductor high-voltage power supplies in excess of 2kv. (excluding separate associated apparatus such as controls, capacitors, switch gear, etc.):					
36292 41	100 kw. and below	.....	(X)	14.0	(X)	8.5
36292 45	Above 100 kw	.....				
36292 49	All other a.c. to d.c. semiconductor power conversion apparatus	.....	(X)	28.5	(X)	19.1
36292 51	Power mercury are rectifiers	.....	(X)	17.3	(X)	[17]11.0
36292 98	Other rectifying (power conversion) apparatus	.....	(X)	31.2	(X)	20.7
36292 00	Rectifying apparatus, n.s.k	.....	(X)	14.0	(X)	1.4
36293 --	Other electrical equipment for industrial use	.....	(X)	135.1	(X)	103.7
	Coil windings, electrical:					
36293 13	Aluminum and aluminum-base alloy	Million units.	11.3	10.7	20.0	45.6
36293 15	Copper and copper-base alloy	...do.....	43.3	29.1		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3629- --	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.,--Continued					
36293 --	Capacitors for industrial use (except for electronic applicators)--Continued					
	Thermal generators:					
36293 23	Thermal electric	Million units.	0.2	0.2		
36293 25	Electro-chemical (fuel cells)	...do.....	(NA)	2.5		
36293 31	Solenoids (except solenoid-actuated regulating valves)	...do.....	1,036.2	16.6		
36293 98	Other miscellaneous electrical equipment for industrial use, n.e.c.	.....	(X)	65.0	(X)	58.1
36293 00	Other electrical equipment for industrial use, n.s.k.	.....	(X)	11.0		
36290 00	Electrical industrial apparatus, n.s.k. (Represents primarily establishments with 10 employees or more in 1967. See Note.)	.....	(X)	16.6		
36290 02	Electrical industrial apparatus, n.s.k. (Represents primarily establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	2.8	(X)	8.5

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963, "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. e From 10 to 30 percent of this figure was estimated. (Z) Under 50 thousand.

[1] Detailed figures may not add to totals due to independent rounding.

[2] Included with 36111 51 to avoid disclosing figures for individual companies.

[3] Code 36112 92 which is less than $100 thousand is included with 36112 98 to avoid disclosing figures for individual companies.

[4] Product codes 36121 42 and 36121 53 are combined with product code 36121 98 in order to avoid disclosing figures of individual companies.

[5] In 1963, code 36123 00 "Transformer parts and supplies, power regulators, boosters and reactors, n.s.k." is included with product codes 36123 13, 36123 53 and 36123 31.

[6] In 1963 product code 36131 00 (Switchgear, except ducts and relays) was combined with product codes 36136 00 (Duct, including plug-in units and accessories, 750 volts and under) and 3613700 (Relays, control circuit).

[7] In 1963 product code 36132 00 (Power circuit breakers, all voltages) was combined with product code 36135 00 (Molded case circuit breakers, 750 volts and under).

[8] Quantity reported totaled 153.7 million for 1967 and 140.9 million for 1963.

[9] Quantity reported totaled 65.7 million for 1967 and 46.3 million for 1963.

[10] Excludes parts and supplies, except as indicated.

[11] Product code 3621118 is combined with code 3621120 and 3621121 to avoid disclosing figures of individual companies.

[12] Product code 3621139 is combined with code 3621135 to avoid disclosing figures of individual companies.

[13] In 1963 codes 3621181 and 3621185 are combined with codes 3621203 and 3621207 respectively.

[14] Figures for d.c. output of diesel-engine driven generator sets are combined with "other generating set units" (code 3621475) to avoid disclosing figures for individual companies.

[15] Represents thousands of units.

[16] Quantity reported for 1967 and 1963 are as follows: 183 million and 89 million.

[17] Data for product code 3629231 in 1963 are included with 3629251 to prevent disclosing figures for individual companies.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
INTEGRATING INSTRUMENTS, ELECTRICAL (36111)		
United States	101.6	99.3
Northeast Region	39.8	35.2
New England Div.	FF	(D)
New Hampshire	FF	(1)
Middle Atlantic Div.	EE	(D)
New York	BB	(1)
New Jersey	CC	(D)
Pennsylvania	1.4	(D)
North Central Region	31.1	(D)
East North Central Div.	FF	(D)
Ohio	BB	(1)
Illinois	FF	(1)
Michigan	AA	(D)
South Region	FF	(D)
South Atlantic Div.	FF	(D)
North Carolina	EE	(1)
South Carolina	CC	(1)
West South Central Div.	AA	(D)
Texas	AA	(1)
West Region	FF	(D)
Pacific Div.	FF	4.1
Washington	AA	(D)
California	CC	(1)
EQUIPMENT FOR TESTING ELECTRIC CIRCUITS, MOTORS (36112)		
United States	700.4	443.4
Northeast Region	178.3	128.3
New England Div.	48.7	26.4
New Hampshire	BB	(1)
Massachusetts	FF	14.3
Connecticut	22.8	(1)
Middle Atlantic Div.	129.6	101.9
New York	48.9	39.7
New Jersey	68.3	52.2
Pennsylvania	12.4	9.9
North Central Region	134.9	74.7
East North Central Div.	92.8	68.3
Ohio	16.6	13.7
Indiana	5.8	(1)
Illinois	55.3	38.1
Michigan	10.4	11.1
Wisconsin	4.8	(1)
West North Central Div.	42.1	6.4
Minnesota	AA	(D)
Iowa	CC	(1)
Missouri	FF	(1)
South Region	31.5	26.3
South Atlantic Div.	16.5	(D)
Maryland	AA	4.7
Georgia	BB	(1)
Florida	10.9	5.8
East South Central Div.	7.4	(D)
Tennessee	AA	(D)
Mississippi	CC	(1)
West South Central Div.	7.6	(D)
Texas	CC	4.2

Product class and geographic area	Value of shipments	
	1967	1963
EQUIPMENT FOR TESTING ELECTRIC CIRCUITS, MOTORS--Con.		
West Region	355.7	214.1
Mountain Div.	GG	(D)
Colorado	GG	(1)
Pacific Div.	GG	(D)
Washington	CC	(1)
Oregon	GG	(1)
California	185.7	132.3
OTHER ELECTRICAL MEASURING INSTRUMENTS (36113)		
United States	306.7	204.7
Northeast Region	160.8	95.6
New England Div.	72.1	50.8
New Hampshire	26.4	18.9
Massachusetts	40.0	24.9
Connecticut	8.7	6.9
Middle Atlantic Div.	88.7	44.9
New York	20.5	9.7
New Jersey	25.9	18.9
Pennsylvania	42.3	16.4
North Central Region	84.3	47.6
East North Central Div.	83.8	44.9
Ohio	25.4	19.9
Indiana	EE	(1)
Illinois	25.5	15.6
Michigan	11.7	(1)
Wisconsin	CC	2.5
South Region	9.3	8.4
South Atlantic Div.	AA	(D)
West South Central Div.	7.5	(D)
Texas	7.5	4.6
West Region	52.3	53.1
Mountain Div.	CC	8.3
Colorado	CC	(1)
Pacific Div.	FF	44.8
California	39.8	(1)
NATURAL-DRAFT DRY-TYPE TRANSFORMERS (SPECIALTY) (36121)		
United States	207.7	163.0
Northeast Region	40.1	39.9
Middle Atlantic Div.	FF	37.1
New York	3.3	7.7
New Jersey	FF	(1)
Pennsylvania	9.5	(1)
North Cental Region	145.4	113.9
East North Central Div.	GG	112.5
Ohio	6.8	7.1
Indiana	FF	(1)
Illinois	104.0	82.2
Michigan	2.3	1.8
Wisconsin	4.4	(1)

Product class and geographic area	Value of shipments	
	1967	1963
NATURAL-DRAFT DRY-TYPE TRANSFORMERS (SPECIALTY) (36121)--Con.		
South Region	20.6	5.2
East South Central Div.	EE	(D)
Kentucky	AA	(D)
Mississippi	EE	(1)
West South Central Div.	AA	(D)
Arkansas	AA	(D)
West Region	1.5	3.9
Pacific Div.	1.5	(D)
California	1.5	(1)
POWER AND DISTRIBUTION TRANSFORMERS, EXCEPT PARTS (36122)		
United States	790.3	434.5
Northeast Region	333.4	192.6
New England Div.	GG	(D)
Massachusetts	GG	(1)
Middle Atlantic Div.	GG	(D)
New York	BB	3.2
Pennsylvania	231.9	(1)
North Central Region	220.2	99.6
East North Central Div.	GG	(D)
Ohio	FF	(1)
Indiana	FF	(1)
Illinois	10.2	1.8
Michigan	EE	(1)
Wisconsin	54.8	14.3
West North Central Div.	GG	(D)
Missouri	GG	(1)
South Region	187.2	107.0
South Atlantic Div.	149.3	(D)
Virginia	CC	(1)
North Carolina	FF	(1)
Georgia	GG	(1)
Florida	CC	(1)
East South Central Div.	17.0	(D)
Alabama	CC	(1)
Mississippi	CC	(1)
West South Central Div.	20.9	(D)
Arkansas	EE	(1)
Texas	CC	4.2
West Region	49.6	35.3
Pacific Div.	49.6	(D)
Oregon	CC	(1)
California	FF	(1)
POWER REGULATORS, BOOSTERS, ETC., AND PARTS (36123)		
United States	120.6	90.3
Northeast Region	81.2	55.3
New England Division	FF	(D)
Massachusetts	FF	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
POWER REGULATORS, BOOSTERS, ETC., AND PARTS (36123)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	FF	(D)
New York	BB	(D)
New Jersey	BB	4.6
Pennsylvania	FF	(1)
North Central Region	21.8	20.0
East North Central Div.	FF	(D)
Ohio	5.8	2.5
Indiana	7.7	(1)
Wisconsin	6.0	4.3
West North Central Div.	AA	(D)
Missouri	AA	(1)
South Region	EE	12.1
South Atlantic Div.	CC	(D)
North Carolina	BB	(D)
Georgia	CC	(1)
East South Central Div.	CC	(D)
Alabama	CC	(1)
West Region	AA	2.8
Pacific Div.	AA	(D)
California	AA	(1)
SWITCHGEAR, EXCEPT DUCTS AND RELAYS (36131)		
United States	455.7	437.2
Northeast Region	226.9	202.5
New England Div.	FF	30.6
Massachusetts	EE	(1)
Connecticut	EE	15.4
Middle Atlantic Div.	GG	172.0
New York	CC	17.6
New Jersey	EE	33.3
Pennsylvania	175.7	121.1
North Central Region	141.5	165.4
East North Central Div.	109.3	149.8
Ohio	13.1	25.1
Indiana	BB	(1)
Illinois	75.8	74.5
Michigan	2.9	(1)
Wisconsin	EE	29.5
West North Central Div.	32.3	15.6
Minnesota	BB	(1)
Iowa	EE	(1)
Missouri	10.8	7.7
South Region	45.6	41.7
South Atlantic Div.	29.1	19.5
Maryland	BB	(D)
Georgia	FF	(1)
Florida	AA	(D)
East South Central Div.	3.6	16.3
Kentucky	EE	(D)
Alabama	BB	(D)
West South Central Div.	11.9	5.9
Arkansas	BB	(1)
Texas	8.0	(1)
West Region	41.7	27.6
Pacific Div.	FF	(D)
Washington	BB	(D)
Oregon	CC	(1)
California	32.8	25.1

Product class and geographic area	Value of shipments	
	1967	1963
POWER CIRCUIT BREAKERS, ALL VOLTAGES (36132)		
United States	209.8	208.8
Northeast Region	157.0	153.6
New England Div.	FF	26.9
Massachusetts	FF	(1)
Middle Atlantic Div.	GG	126.6
New York	1.0	(1)
New Jersey	BB	(1)
Pennsylvania	GG	100.8
North Central Region	33.7	39.8
East North Central Div.	FF	(D)
Indiana	BB	4.1
Illinois	CC	3.9
Michigan	CC	(1)
Wisconsin	EE	(D)
West North Central Div.	BB	(D)
Missouri	BB	(D)
South Region	CC	3.4
South Atlantic Div.	BB	(D)
Maryland	BB	(1)
Georgia	BB	(D)
West Region	EE	12.2
Pacific Div.	EE	(D)
California	EE	10.4
LOW VOLTAGE PANELBOARDS, ETC., 750 VOLTS AND LESS (36133)		
United States	378.0	304.2
Northeast Region	150.6	114.4
New England Div.	50.7	36.3
New Hampshire	BB	(1)
Massachusetts	EE	9.5
Connecticut	35.2	(1)
Middle Atlantic Div.	99.8	78.1
New York	27.9	25.4
New Jersey	41.7	19.7
Pennsylvania	30.3	33.1
North Central Region	98.7	80.8
East North Central Div.	80.0	74.6
Ohio	22.3	16.4
Indiana	8.3	(1)
Illinois	30.9	24.3
Michigan	17.6	14.5
West North Central Div.	18.7	6.1
Minnesota	BB	(D)
Missouri	14.0	(1)
South Region	86.4	59.1
South Atlantic Div.	25.6	19.4
Virginia	AA	(D)
Georgia	22.8	12.9
East South Central Div.	36.6	25.9
Kentucky	FF	(1)
Mississippi	BB	(D)
West South Central Div.	24.2	13.7
Texas	FF	(1)

Product class and geographic area	Value of shipments	
	1967	1963
LOW VOLTAGE PANELBOARDS, ETC., 750 VOLTS AND LESS (36133)--Con.		
West Region	42.3	50.0
Mountain Div.	1.5	4.0
Colorado	1.5	(1)
Pacific Div.	40.8	46.0
Washington	5.1	(1)
Oregon	1.4	(D)
California	34.4	40.5
FUSES AND FUSE EQUIPMENT, UNDER 2,300 VOLTS (36134)		
United States	69.2	41.9
Northeast Region	18.4	9.9
New England Div.	8.9	5.1
Massachusetts	CC	(1)
Rhode Island	BB	(1)
Middle Atlantic Div.	9.5	4.8
New York	4.6	(1)
New Jersey	BB	(D)
Pennsylvania	BB	(D)
North Central Region	FF	(D)
East North Central Div.	CC	(D)
Illinois	CC	(1)
West North Central Div.	FF	(D)
Missouri	FF	(1)
South Region	BB	2.0
South Atlantic Div.	AA	(D)
West South Central Div.	AA	(D)
Arkansas	AA	(1)
FRACTIONAL HORSEPOWER MOTORS (36211)		
United States	842.5	620.3
Northeast Region	172.3	140.0
New England Div.	22.9	15.8
New Hampshire	CC	(1)
Massachusetts	CC	7.0
Connecticut	12.7	(1)
Middle Atlantic Div.	149.4	124.2
New York	112.9	102.4
New Jersey	24.6	15.2
Pennsylvania	11.8	6.5
North Central Region	466.1	359.9
East North Central Div.	414.4	328.4
Ohio	147.8	115.0
Indiana	133.9	98.5
Illinois	57.4	49.0
Michigan	43.0	41.7
Wisconsin	32.4	24.2
West North Central Div.	51.7	31.5
Minnesota	CC	(1)
Missouri	45.2	28.3
South Region	181.8	100.1
South Atlantic Div.	31.0	17.7
Maryland	CC	(1)
Virginia	EE	(1)
North Carolina	CC	(1)
South Carolina	CC	(1)
Georgia	AA	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
FRACTIONAL HORSEPOWER MOTORS (36211)--Con.		
South Region--Con.		
East South Central Div.	80.1	37.4
Kentucky	CC	(1)
Tennessee	60.1	(1)
Mississippi	EE	(D)
West South Central Div.	70.6	45.0
Arkansas	GG	45.0
West Region	22.4	20.2
Pacific Div.	22.4	(D)
California	22.4	(1)
INTEGRAL HP MOTORS, GENERATORS, EXCEPT FOR LAND TRANSPORTATION EQUIPMENT (36212)		
United States	569.5	380.2
Northeast Region	255.6	173.3
New England Div.	EE	(D)
Connecticut	EE	(1)
Middle Atlantic Div.	GG	(D)
New York	GG	(1)
New Jersey	CC	9.0
Pennsylvania	GG	(1)
North Central Region	264.9	173.9
East North Central Div.	233.8	141.3
Ohio	126.9	73.5
Indiana	FF	(1)
Illinois	BB	(1)
Michigan	4.6	4.7
Wisconsin	73.0	45.1
West North Central Div.	31.0	32.6
Minnesota	EE	(1)
Missouri	EE	17.7
South Region	22.1	6.0
South Atlantic Div.	CC	(D)
South Carolina	BB	(D)
Georgia	BB	(1)
East South Central Div.	BB	(D)
Mississippi	BB	(D)
West South Central Div.	EE	(D)
Arkansas	EE	(1)
West Region	26.9	27.0
Pacific Div.	FF	(D)
California	FF	(1)
PRIME MOVER GENERATOR SETS, EXCEPT STEAM, HYDRAULIC (36214)		
United States	232.7	104.6
Northeast Region	50.7	18.9
New England Div.	FF	(D)
Connecticut	FF	(1)
Middle Atlantic Div.	EE	(D)
New York	CC	(1)
New Jersey	AA	(1)
Pennsylvania	AA	(1)
PRIME MOVER GENERATOR SETS, EXCEPT STEAM, HYDRAULIC (36214)--Con.		
North Central Region	143.8	76.6
East North Central Div.	102.5	57.7
Ohio	CC	5.9
Illinois	63.2	24.8
Wisconsin	FF	24.7
West North Central Div.	41.3	18.9
Minnesota	FF	(1)
Iowa	CC	(1)
Nebraska	BB	(D)
South Region	CC	5.3
South Atlantic Div.	BB	(D)
Virginia	AA	(1)
South Carolina	BB	(1)
East South Central Div.	AA	(D)
Kentucky	AA	(D)
West South Central Div.	BB	(D)
Louisiana	BB	(1)
West Region	FF	3.8
Pacific Div.	FF	3.8
California	FF	3.8
MOTOR-GENERATOR SETS AND OTHER ROTATING EQUIPMENT (36215)		
United States	345.6	246.2
Northeast Region	107.3	78.7
New England Div.	7.2	7.2
Massachusetts	BB	(D)
Connecticut	3.6	(1)
Middle Atlantic Div.	100.1	71.4
New York	27.8	22.5
New Jersey	10.5	6.2
Pennsylvania	61.8	42.7
North Central Region	155.9	131.2
East North Central Div.	147.5	125.4
Ohio	85.6	60.4
Indiana	FF	(1)
Illinois	CC	7.5
Michigan	FF	(1)
Wisconsin	EE	(1)
West North Central Div.	8.5	5.9
Minnesota	CC	2.9
South Region	67.6	(D)
South Atlantic Div.	FF	(D)
Virginia	9.3	(D)
North Carolina	EE	(1)
Florida	BB	(D)
East South Central Div.	FF	(D)
Kentucky	FF	(1)
West Region	14.7	(D)
Mountain Div.	CC	(D)
Colorado	CC	(1)
Pacific Div.	EE	(D)
California	EE	10.9
PARTS, SUPPLIES FOR MOTORS, GENERATORS, SETS (36216)		
United States	158.8	127.6
Northeast Region	72.1	55.9
New England Div.	EE	6.9
Massachusetts	BB	(1)
Connecticut	CC	4.2
Middle Atlantic Div.	GG	49.0
New York	EE	13.9
New Jersey	12.4	13.0
Pennsylvania	32.8	22.1
North Central Region	64.3	56.5
East North Central Div.	GG	51.7
Ohio	28.3	34.2
Indiana	CC	4.9
Illinois	10.6	2.2
Michigan	6.2	4.8
Wisconsin	4.5	5.7
West North Central Div.	CC	4.8
Minnesota	CC	(1)
South Region	10.3	7.9
East South Central Div.	BB	(D)
Mississippi	BB	(D)
West South Central Div.	CC	(D)
Arkansas	BB	(D)
Oklahoma	BB	(1)
West Region	12.1	7.3
Pacific Div.	EE	(D)
California	EE	6.8
GENERAL INDUSTRY POWER CIRCUIT DEVICES AND CONTROLS (36220)		
United States	1,071.4	633.3
Northeast Region	241.7	154.4
New England Div.	86.6	46.5
Massachusetts	FF	(1)
Connecticut	44.0	26.2
Middle Atlantic Div.	155.1	107.9
New York	83.3	48.7
New Jersey	26.8	25.8
Pennsylvania	45.0	33.3
North Central Region	509.6	340.1
East North Central Div.	494.9	328.6
Ohio	82.5	54.3
Indiana	13.1	9.1
Illinois	141.7	84.1
Michigan	40.1	23.6
Wisconsin	217.5	157.4
West North Central Div.	14.6	11.6
Minnesota	11.7	8.0
Missouri	1.8	(1)
South Region	223.2	96.8
South Atlantic Div.	171.4	(D)
Maryland	CC	(1)
Virginia	GG	(1)
West Virginia	CC	(D)
North Carolina	10.6	(1)
South Carolina	CC	(D)
Georgia	BB	(1)
Florida	BB	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
GENERAL INDUSTRY POWER CIRCUIT DEVICES AND CONTROLS (36220)--Con.		
South Region--Con.		
East South Central Div....	FF	(D)
Kentucky....	FF	(1)
West South Central Div....	FF	(D)
Oklahoma....	CC	(1)
Texas....	17.7	7.6
West Region....	96.9	42.0
Mountain Div....	2.3	2.4
Colorado....	1.4	(1)
Pacific Div....	94.6	39.6
Washington....	3.5	3.7
Oregon....	2.8	(1)
California....	88.3	35.1
ARC WELDING MACHINES, COMPONENTS, AND ACCESSORIES, EXCEPT ELECTRODES (36231)		
United States....	140.7	104.5
Northeast Region....	15.3	19.9
Middle Atlantic Div....	EE	(D)
New York....	BB	5.1
New Jersey....	3.8	(1)
Pennsylvania....	CC	(1)
North Central Region....	109.4	77.4
East North Central Div....	85.7	69.3
Ohio....	GG	(1)
Illinois....	BB	1.1
Michigan....	12.5	10.7
Wisconsin....	EE	(1)
West North Central Div....	14.1	8.1
Minnesota....	BB	(1)
Missouri....	9.5	3.4
Kansas....	AA	(1)
South Region....	9.2	(D)
South Atlantic Div....	BB	(D)
Maryland....	BB	(D)
Virginia....	BB	(D)
East South Central Div....	AA	(D)
Tennessee....	AA	(D)
West South Central Div....	BB	(D)
Texas....	BB	(1)
West Region....	6.8	(D)
Mountain Div....	AA	(D)
Colorado....	AA	(1)
Pacific Div....	CC	(D)
California....	CC	1.7
ARC WELDING ELECTRODES, METAL (36232)		
United States....	166.3	148.2
Northeast Region....	57.3	48.7
Middle Atlantic Div....	GG	(D)
New York....	EE	(1)
Pennsylvania....	14.3	33.1

Product class and geographic area	Value of shipments	
	1967	1963
ARC WELDING ELECTRODES, METAL (36232)--Con.		
North Central Region....	80.0	72.4
East North Central Div....	FF	(D)
Ohio....	36.3	51.6
Indiana....	CC	(1)
West North Central Div....	BB	(D)
Minnesota....	BB	(1)
South Region....	EE	(D)
South Atlantic Div....	CC	(D)
Maryland....	CC	(1)
East South Central Div....	BB	(D)
Alabama....	BB	(1)
West South Central Div....	CC	(D)
Texas....	BB	(D)
West Region....	CC	(D)
Pacific Div....	CC	(D)
California....	CC	(1)
RESISTANCE WELDERS, COMPONENTS, ACCESSORIES, ELECTRODES (36233)		
United States....	88.0	68.3
Northeast Region....	13.0	8.7
New England Div....	AA	(D)
Connecticut....	AA	(D)
Middle Atlantic Div....	EE	(D)
New York....	CC	(1)
North Central Region....	69.0	57.5
East North Central Div....	68.3	(D)
Ohio....	EE	11.0
Indiana....	BB	(1)
Michigan....	35.6	29.9
Wisconsin....	3.1	1.8
West Region....	CC	(D)
Pacific Div....	CC	(D)
Calfiornia....	CC	(1)
CARBON AND GRAPHITE PRODUCTS (36240)		
United States....	295.8	217.8
Northeast Region....	129.0	89.4
New England Div....	1.9	1.5
Massachusetts....	AA	(1)
Middle Atlantic Div....	127.1	87.9
New York....	73.7	53.1
New Jersey....	BB	(1)
Pennsylvania....	GG	
North Central Region....	56.3	(D)
East North Central....	56.3	(D)
Ohio....	FF	(1)
Illinois....	BB	3.5
Michigan....	EE	(1)
Wisconsin....	BB	(1)

Product class and geographic area	Value of shipments	
	1967	1963
CARBON AND GRAPHITE PRODUCTS (36240)--Con.		
South Region....	105.8	(D)
South Atlantic Div....	GG	(D)
West Virginia....	FF	(1)
North Carolina....	EE	(1)
South Carolina....	CC	(D)
East South Central....	GG	(D)
Tennessee....	GG	(1)
West Region....	4.7	(D)
Pacific Div....	BB	2.6
California....	BB	2.6
CAPACITORS FOR INDUSTRIAL USE (NOT ELECTRONIC) (36291)		
United States....	112.5	51.4
Northeast Region....	70.6	(D)
New England Div....	FF	(D)
Massachusetts....	FF	(1)
Middle Atlantic Div....	FF	(D)
New York....	FF	(1)
New Jersey....	6.0	(1)
North Central Region....	27.3	(D)
East North Central Div....	FF	17.6
Ohio....	AA	(1)
Indiana....	EE	(1)
Illinois....	CC	(1)
Wisconsin....	BB	(1)
West North Central Div..	BB	(D)
Minnesota....	AA	(D)
Nebraska....	AA	(D)
South Region....	CC	(D)
South Atlantic Div....	CC	(D)
South Carolina....	CC	(1)
West Region....	CC	(D)
Pacific Div....	CC	(D)
California....	CC	(D)
RECTIFYING APPARATUS (36292)		
United States....	131.6	86.9
Northeast Region....	63.6	37.0
New England Div....	AA	1.9
Massachusetts....	AA	(1)
Middle Atlantic Div....	GG	35.1
New York....	11.6	(1)
New Jersey....	BB	(1)
Pennsylvania....	46.0	25.0
North Central Region....	54.0	37.1
East North Central Div....	47.2	30.9
Ohio....	32.8	15.7
Indiana....	BB	(1)
Illinois....	9.4	10.6
Michigan....	AA	1.7

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
RECTIFYING APPARATUS (36292)--Continued		
North Central Region--Continued		
West North Central Div....	6.8	6.2
Minnesota.....	4.7	(1)
Missouri.....	AA	1.7
South Region.....	6.1	4.7
South Atlantic Division...	CC	(D)
West Virginia.....	2.3	(D)
North Carolina.....	BB	(1)
West Region.....	7.9	8.1
Pacific Division.....	CC	(1)
California.....	CC	(1)
OTHER ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE (36293)		
United States.....	135.1	103.7
Northeast Region.....	43.5	37.8
New England Division.....	EE	7.1
Maine.....	AA	(1)
Massachusetts.....	6.0	(1)
Connecticut.....	2.8	3.8
Middle Atlantic Division..	FF	30.1
New York.....	10.8	3.0
New Jersey.....	7.7	6.4
Pennsylvania.....	EE	20.7
OTHER ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE--Con.		
North Central Region		
East North Central Div....	GG	51.1
Ohio.....	27.9	17.1
Indiana.....	20.6	12.2
Illinois.....	11.4	14.0
Michigan.....	CC	4.4
Wisconsin.....	BB	3.5
West North Central Div....	AA	2.6
Missouri.....	AA	(1)
South Region.....	1.8	2.0
South Atlantic Division...	1.8	(D)
West Virginia.....	AA	(D)
West Region.....	16.9	10.7
Pacific Division.....	EE	(D)
Washington.....	BB	(D)
California.....	12.9	(D)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

[2]Includes an undetermined amount for receipts for contract logging reported as "Logs, bolts, and pulpwood, not specified by kind".

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3611-	Electric measuring instruments	1,165.1	1,031.0	872.3	795.0	755.6	587.8	347.2	157.5
36111	Integrating instruments, electrical	101.6	111.2	105.1	101.5	93.2	88.8	73.1	63.7
36112	Equipment for testing electric radio, and communication circuits and motors	700.4	585.5	483.7	443.3	443.4	341.9	190.0	54.8
36113	Other electrical measuring instruments	306.7	326.3	273.8	243.1	204.7	140.1	84.0	38.9
36110	Electrical measuring instruments, n.s.k.	56.5	8.1	9.6	7.1	14.3	17.0	(NA)	(NA)
3612-	Transformers	1,133.6	1,031.9	890.7	780.8	692.2	638.3	628.9	324.1
36121	Natural-draft dry-type transformers (specialty transformers)	207.7	243.1	207.4	178.5	163.0	130.0	109.6	80.7
36122	Power and distribution transformers, except parts	790.3	660.7	578.3	501.3	434.5	421.7	441.1	205.9
36123	Power regulators boosters, reactors other transformers, and transformers parts	120.6	126.0	103.0	96.3	90.3	81.0	78.3	37.5
36120	Transformers, n.s.k.	14.9	2.1	2.1	4.7	4.4	5.6	-	-
3613-	Switchgear and switchboard apparatus	1,589.5	1,475.6	1,268.9	1,085.0	1,008.5	891.4	(NA)	(NA)
36131	Switchgear, except ducts and relays	455.7	[2]627.6	[2]543.1	[2]483.6	[2]437.2	[2]419.9	(NA)	(NA)
36132	Power circuit breakers all voltages	209.8	313.4	[3]262.0	[3]229.3	[3]208.8	[3]201.0	(NA)	(NA)
36133	Low voltage panelboards and distribution boards and other switching and interrupting devices 750 volts and under	378.0	448.0	387.6	314.2	304.2	224.2	(NA)	(NA)
36134	Fuses and fuse equipment, under 2,300 volts except power distribution cut outs)	69.2	75.6	63.8	54.5	[3]41.9	30.7	(NA)	(NA)
36135	Molded case circuit breakers, 750 volts and under	170.2	([3])	([3])	([3])	([3])	([3])	(NA)	(NA)
36136	Duct, including plug-in units and accessories, 750 volts and under	62.8	([2])	([2])	([2])	([2])	([2])	(NA)	(NA)
36137	Relays, control circuit	193.7	([2])	([2])	([2])	([2])	([2])	(NA)	(NA)
36130	Switchgear and switchboard apparatus, n.s.k.	59.3	11.0	12.4	3.4	16.3	15.6	(NA)	(NA)
3621-	Motors and generators	2,319.0	2,226.6	1,936.3	1,687.1	1,578.2	1,291.4	1,338.5	753.8
36211	Fractional horsepower motors	842.5	852.9	768.3	663.3	620.3	435.8	422.7	310.8
36212	Integral horsepower motors generators, except land transportation equipment	569.5	570.7	499.8	416.3	380.2	430.5	410.6	258.7
36213	Land transportation motors, generators, and control equipment and parts	133.4	103.2	111.1	95.5	89.8	52.4	81.4	69.5
36214	Prime mover generator sets, except steam or hydraulic	232.7	182.2	104.3	106.5	104.6	73.9	96.3	(NA)
36215	Motor-generator sets and other rotating equipment	345.6	299.9	273.8	270.8	246.2	164.1	238.6	36.0
36216	Parts and supplies for motors, generators, and motor generator set for transportation	158.8	181.0	144.3	126.0	127.6	108.9	88.8	78.7
36210	Motors and generators, n.s.k.	36.6	36.7	34.7	8.7	9.4	25.9	(NA)	(NA)
36220	General industry power circuit devices and controls	1,071.4	1,002.0	825.5	727.0	633.3	447.3	333.9	171.2
3623-	Welding apparatus	432.9	481.2	433.0	368.3	324.9	233.2	160.0	106.0
36231	Arc welding machines, components, accessories, except electrodes	140.7	179.2	167.9	129.8	104.5	65.8	36.7	32.1
36232	Arc welding electrodes, metal	166.3	194.8	171.4	151.2	148.2	116.4	72.3	44.0
36233	Resistance welders, components, accessories and electrodes	88.0	100.6	88.2	83.2	68.3	47.8	51.1	29.9
36230	Welding apparatus, n.s.k.	37.9	6.6	5.5	4.2	3.8	3.2	-	-
36240	Carbon and graphite products	295.8	293.6	277.1	243.7	217.8	156.8	114.5	63.4
3629-	Electrical industrial apparatus, n.e.c.	398.5	423.3	334.4	264.8	250.5	213.1	171.9	86.0
36291	Capacitors for industrial use (except for electronic applications)	112.5	94.5	64.5	52.9	51.4	57.1	64.2	34.0
36292	Rectifying apparatus	131.6	129.0	116.0	89.1	86.9	73.1	59.3	20.5
36293	Other electrical equipment for industrial use	135.1	193.3	148.2	114.5	103.1	77.1	48.4	31.5
36290	Electrical industrial goods, n.e.c., n.s.k.	19.4	6.5	5.6	8.2	8.5	5.8	-	-

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

(S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data.

[2]In 1966 and previous years, product class code 36136 "Duct, including plug-in units and accessories, 750 volts and under" and 36137, "Relays, control circuit" were included with product class code 36131, "Switchgear, except ducts and relays."

[3]In 1966 and previous years, product class code 36132 (Power circuit breakers, all voltages) was included with product class code 36135 (Molded case circuit breakers, 750 volts and under).

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3611.--ELECTRIC MEASURING INSTRUMENTS					
	Materials, parts, containers, and supplies, total	.....	(X)	352.3	(X)	217.1
	Mill shapes (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	1.1	0.5	0.9	0.5
331012	Sheet and strip	...do.....	11.8	2.8	8.8	1.6
331013	Plates	...do.....	(1)	(1)	0.1	(Z)
331015	Structural shapes	...do.....	0.5	0.1		
331017	Wire and wire products	...do.....	0.8	0.8	0.2	0.3
331019	All other carbon steel mill shapes and forms	...do.....	1 0.9	1 0.5		
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	2.7	1.0	(Z)	(Z)
331029	All other alloy steel mill shapes and forms	...do.....			3.7	1.7
331031	Stainless steel	...do.....	0.5	0.9	0.6	0.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	2.6	2.3	1.3	1.1
335790	Insulated wire and cable	Million lbs (copper content).	17.6	8.7	6.4	3.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	2.6	1.6	1.3	0.9
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	2.2	1.6	1.5	1.3
335127	Pipe and tube	...do.....	0.2	0.2		
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	5.5	3.2	4.4	2.4
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do.....	1.6	1.3	0.9	0.8
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	1.2	0.5	2.1	0.8
	Castings (rough and semifinished): 2					
332300	Steel	1,000 short tons..	0.2	0.7	0.2	0.7
336100	Aluminum and aluminum-base alloy	Million lbs.....	2.1	1.6	1.8	1.2
336200	Copper and copper-base alloy	...do.....	0.1	0.1	0.1	0.1
	Fractional horsepower electric motors and generators (under 1 hp.): 2					
362110	Timing motors, synchronous and subsynchronous	Millions.....	-	-	0.3	1.8
362115	Other fractional horsepower electric motors and generators (excluding timing motors)	...do.....	0.2	1.3	0.1	0.8
	Bearings:					
356218	Ball	.....	(X)	0.6	(X)	0.9
356228	Roller	.....	-	-	(X)	
367010	Electron tubes, except X-ray 2	Million units.....	5.1	8.1	8.8	10.2
367408	Solid state semiconductors 2	...do.....	36.0	19.9	12.8	9.4
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	217.5	(X)	140.7
976000	Materials, containers, supplies, n.s.k. 3	.....	(X)	76.5	(X)	35.9
	INDUSTRY 3612.--TRANSFORMERS					
	Materials, components, parts, containers, and supplies consumed, total	.....	(X)	517.0	(X)	324.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	18.2	3.0	8.0	1.4
331012	Sheet and strip	...do.....	138.6	43.4	164.0	39.3
331013	Plates	...do.....	57.0	7.6	48.3	6.5
331015	Structural shapes	...do.....	9.3	1.6	11.6	1.7
331019	All other carbon steel mill shapes and forms	...do.....	21.0	10.6	9.9	4.1
331020	Alloy steel (except stainless)	...do.....	164.0	71.0	107.6	42.7
331031	Stainless steel mill shapes and forms	...do.....	1.1	1.0	0.9	0.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	million lbs.....	64.1	44.6	62.3	32.1
335790	Insulated wire and cable	million lbs..... (copper content)	93.6	58.2	81.9	34.9
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	million lbs.....	26.3	12.0	15.9	6.0
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	(NA)	4.8	30.1	2.0
335127	Pipe and tube	...do.....	1.5	0.8	1.0	0.6

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3612.--TRANSFORMERS--Continued					
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes, (including extruded rod, bar, pipe tube, etc.)	Million lbs.	17.8	9.0	1.6	0.7
335202	Sheet plate and foil	...do.			5.2	2.4
335209	All other aluminum mill shapes and forms	...do.				
970099	All other materials and components, parts, containers and supplies consumed		(X)	226.0	(X)	143.7
976000	Materials, components, parts, containers and supplies consumed, n.s.k.[3]		(X)	23.4	(X)	5.4
	INDUSTRY 3613.--SWITCHGEAR AND SWITCHBOARD APPARATUS					
	Materials, parts, containers and supplies, total		(X)	603.6	(X)	400.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	39.8	6.5	20.8	3.5
331012	Sheet and strip	...do.	198.3	31.4	200.5	33.8
331013	Plates	...do.	17.8	2.8	17.0	2.1
331015	Structural shapes	...do.	14.8	2.6	10.4	2.2
331019	All other carbon steel mill shapes and forms	...do.	(NA)	4.5	6.4	1.8
331020	Alloy steel (except stainless)	...do.	5.1	2.2	2.7	1.4
331031	Stainless steel	...do.	2.3	2.5	0.6	0.7
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	7.9	6.9	3.0	2.0
335790	Insulated wire and cable	Million lbs. (copper content)	10.6	10.0	5.2	3.7
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	41.9	31.8	35.6	18.8
335123	Plate, sheet and strip (including military cups and discs)	...do.	13.5	9.4	11.5	6.7
335127	Pipe and tube	...do.	2.4	2.1	2.4	1.3
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.	6.2	3.2	2.7	1.3
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do.	13.8	6.0	5.6	3.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing)	...do.	2.6	1.5	2.0	1.0
	Castings (rough and semifinished):[2]					
332300	Steel	1,000 short tons.	3.4	2.4	1.3	1.3
336100	Aluminum and aluminum-base alloy	Million lbs.	6.9	5.7	3.2	2.7
336200	Copper and copper-base alloy	...do.	14.1	13.2	10.3	6.9
	Industrial electrical control equipment (received for incorporation only into other industrial electrical control equipment shipped, as such, by this plant):					
362200	Purchased from other companies		(X)	[4]73.8	(X)	[4]40.0
362209	Received from other plants of your company		(X)	[4]75.8	(X)	[4]47.3
282130	Thermoplastic resins, including modified resins	Million lbs.	(NA)	2.3	3.7	1.1
282140	Thermosetting resins	...do.	16.6	6.2	12.3	4.5
970099	All other materials and components, parts, containers and supplies consumed		(X)	236.6	(X)	177.3
976000	Materials, containers, supplies, n.s.k.[3]		(X)	64.2	(X)	35.8
	INDUSTRY 3621.--MOTORS AND GENERATORS					
	Materials, parts, supplies, and containers, total		(X)	919.5	(X)	662.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	83.8	17.5	99.6	21.6
331012	Sheet and strip	...do.	590.1	103.9	546.8	95.6
331013	Plates	...do.	60.3	9.8	55.4	8.5
331017	Wire and wire products	...do.	(NA)	2.3	13.9	3.5
331019	All other carbon steel mill shapes and forms	...do.	24.2	6.3	22.2	5.5
331020	Alloy steel (except stainless)	...do.	51.6	14.9	12.9	6.7
331031	Stainless steel	...do.	2.1	3.0	4.2	4.5

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3621.--MOTORS AND GENERATORS--Continued					
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	68.3	48.7	25.3	15.5
335790	Insulated wire and cable	Million lbs. (copper content)	86.3	69.6	113.6	65.6
335102	Rod, bar, and mechanical wire (including extruded and or/ drawn shapes)	Million lbs.	36.0	20.7	70.3	28.2
335123	Plate, sheet,and strip (including military cups discs)	...do.	4.0	3.5	5.8	3.2
335127	Pipe and tube	...do.	(NA)	0.2	0.4	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.	3.3	1.6	1.5	1.0
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.	20.4	6.5	4.3	1.9
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder welded tubing)	...do.			12.7	3.6
	Primary metals:					
333122	Copper and copper-base alloy refinery shapes	1,000 short tons.	(D)	(D)	0.6	0.6
333401	Aluminum and aluminum-base alloy refinery shapes	...do.	19.7	10.6	13.9	6.0
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	...do.	90.7	35.5	92.0	29.5
332300	Steel	...do.	4.5	3.5	4.0	3.1
336100	Aluminum and aluminum-base alloy	Million lbs.	22.8	13.6	20.9	14.4
336200	Copper and copper-base alloy	...do.	3.2	2.6	2.4	2.2
339100	Iron and steel forgings[2]	1,000 short tons.	4.9	3.3	6.9	4.0
	Engines:[3]					
351920	Diesel and semidiesel	1,000	5.6	17.7	2.7	5.1
351901	Gasoline and other carburetor	...do.	(D)	(D)	7.4	2.9
362120	Integral horsepower electric motors and generators (1 hp. and over)[2]	...do.	38.3	10.9	10.0	6.1
	Bearings:					
356218	Ball		(X)	20.7	(X)	19.0
356201	Roller		(X)	1.7	(X)	1.8
367010	Electron tubes, except X-ray[2]	Million units	(D)	(D)	0.2	1.6
367408	Solid state semiconductors[2]	...do.	1.7	4.5	1.1	2.1
970099	All other materials, components, parts, containers, and supplies consumed		(X)	402.0	(X)	264.7
976000	Materials, parts, supplies, and containers, n.s.k.[3]		(X)	84.4	(X)	33.6
	INDUSTRY 3622.--INDUSTRIAL CONTROLS					
	Materials, parts, containers, and supplies, total		(X)	358.9	(X)	1,955
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1000 tons	4.2	1.2	8.7	1.8
331012	Sheet and strip	...do.	33.3	6.6	29.8	5.6
331013	Plates	...do.	2.7	0.4	1.1	0.2
331015	Structural shapes	...do.	2.9	0.5	2.5	0.6
331019	All other carbon steel mill shapes and forms	...do.	1.2	0.4	3.1	0.7
331020	Alloy steel (except stainless)	...do.	15.3	4.0	1.7	0.5
331031	Stainless steel	...do.	1.7	2.1	1.3	1.9
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	3.4	2.7	3.2	1.5
335790	Insulated wire and cable	Million lbs. (copper content)	(NA)	5.6	5.4	3.8
335102	Rod, bar, and mechanical wire (including extruded and/or drawn shapes)	Million lbs.	4.2	2.8	4.1	2.4
335123	Plate, sheet, and strip (including military cups and discs)	...do.	3.1	2.6	4.0	2.5
335127	Pipe and tube	...do.	0.5	0.5	0.4	0.2
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.	0.9	0.5	0.6	0.4
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do.	0.9	0.5	0.4	0.2
335209	All other aluminum mill shapes and forms (wire, rolled rod, and bar)	...do.			0.4	0.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3622.--INDUSTRIAL CONTROLS--Continued					
	Castings (rough and semifinished):[2]					
332300	Steel	1000 tons	5.2	3.6	3.1	2.2
336100	Aluminum and aluminum-base alloy	Million lbs	5.2	1.9	2.6	1.1
336200	Copper and copper-base alloy	...do	1.5	1.1	1.0	0.8
	Industrial electrical control equipment:					
362200	Purchased from other companies		(X)	[4]52.4	(X)	[4]30.7
362209	Received from other plants of your company		(X)	[4]47.8	(X)	16.7
282130	Thermoplastic resins	Million lbs	1.9	0.9	0.5	0.3
282140	Thermosetting resins	...do	(NA)	2.2	8.7	1.8
970099	All other materials and components, parts, containers, and supplies consumed		(X)	164.8	(X)	92.3
976000	Materials, containers, supplies, n.s.k.[3]		(X)	53.8	(X)	26.9
	INDUSTRY 3623.--WELDING APPARATUS					
	Materials, parts, containers, and supplies, total		(X)	204.4	(X)	150.5
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	8.9	1.9	10.0	2.4
331012	Sheet and strip	...do	55.0	9.4	22.8	5.0
331015	Structural shapes	...do	4.3	0.7	2.2	0.6
331017	Wire and wire products	...do	182.4	30.6	236.2	36.2
331019	All other carbon steel mill shapes and forms	...do	28.1	4.1	13.9	2.8
331020	Alloy steel, except stainless	...do	14.4	6.4	6.2	4.6
331031	Stainless steel	...do	4.6	6.7	8.8	12.7
	Copper and copper-base alloy:					
335728	Bare wire (For electrical conduction only)	million pounds	3.1	2.2	1.4	0.8
335790	Insulated wire and cable	...do	9.1	7.4	6.4	4.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	...do	4.0	4.3	4.9	3.7
335123	Plate, sheet and strip, including military cups and discs	...do	1.4	1.5	0.7	0.5
335127	Pipe and tube	...do	1.0	0.8	0.3	0.2
336200	Copper and copper-base alloy castings[2]	...do	3.1	3.3	2.2	2.1
970099	All other materials, components, parts, containers and supplies consumed		(X)	96.3	(X)	64.2
976000	Materials, containers, supplies, n.s.k.[3]		(X)	26.9	(X)	10.4
	INDUSTRY 3624.--CARBON AND GRAPHITE PRODUCTS					
	Materials, parts, containers, and supplies, total		(X)	100.9	(X)	71.4
	Mill shapes and forms (except castings):					
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	0.9	1.0	0.7	0.6
335790	Insulated wire and cable	Million lbs. (copper content)	(D)	(D)	(Z)	(Z)
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(D)	(D)	(D)	(D)
335123	Plate, sheet and strip, including military cups and discs	...do	0.5	0.4	0.3	0.2
335127	Pipe and tube	...do	(D)	(D)	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do				
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	(NA)	(Z)	(NA)	(NA)
335209	All other aluminum mill shapes and forms wire, rolled rod and bar, powder, welded tubing, etc	...do				
970099	All other materials and components, parts, containers, and supplies consumed		(X)	89.7	(X)	67.5
976000	Materials, parts, containers, and supplies consumed, n.s.k.[3]		(X)	9.8	(X)	3.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3629.--ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	125.6	(X)	93.0
	Mill shapes and forms (except castings):					
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	(NA)	5.1	5.6	3.3
335790	Insulated wire and cable	Million lbs. (copper content)	(NA)	8.4	13.1	8.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	(NA)	3.8	3.7	1.4
335123	Plate, sheet and strip, including military cups and discs	...do.			2.1	0.4
335127	Pipe and tube	...do.	0.2	-	0.5	0.3
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.	10.2	3.7	5.5	2.3
335205	Extruded shapes, including extruded rod, bar, pipe tube, etc.	...do.	1.5	0.9		
335209	All other aluminum mill shapes and forms (wire, rolled rod, and bar, powder, welded tubing, etc.)	...do.	0.5	0.5	1.2	0.5
367010	Electron tubes, except x-ray[2]	1,000 units	(D)	(D)	(NA)	(NA)
367408	Solid state semiconductors[2]	...do.	(D)	(D)	23.1	2.1
281995	Silicon, hyper pure	Kilograms	(D)	(D)	(NA)	(NA)
333977	Germanium	Pounds	(D)	(D)	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	80.7	(X)	60.1
976000	Materials, containers, supplies, n.s.k.[3]	.....	(X)	22.5	(X)	14.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer opeations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid desclosing figures for individual companies. (Z) Under $50 thousand.

[1]Includes cost for materials for which symbol "D" appears.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Motors and generators (SIC 3621)	Carbon and graphite products (SIC 3624)
	Cost of purchased fuels and electric energy, total....	Million dollars.	18.6	13.9
	Cost of purchased fuels, total.....	...do.....	6.7	4.7
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons	86.0	31.2
	Cost.....	Million dollars.	0.7	0.2
	Fuel oil, total:			
	Quantity.....	1,000 barrels...	111.9	38.7
	Cost.....	Million dollars.	0.4	0.1
291141	Distillate:			
	Quantity.....	1,000 barrels...	86.2	(2)
	Cost.....	Million dollars.	0.3	(2)
291151	Residual:			
	Quantity.....	1,000 barrels...	25.7	238.7
	Cost.....	Million dollars.	0.1	20.1
131300 331217	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
	Quantity.....	Million cubic feet.....	4,756.7	8,086.4
	Cost.....	Million dollars.	2.8	4.0
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.7	0.1
	Fuels, n.s.k.....	...do.....	2.1	0.2
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs.	1,082.0	1,620.8
	Cost.....	Million dollars.	11.9	9.2
	Quantity of electric energy generated less quantity sold:.....	Million kw.-hrs.	40.0	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	4,459.1	4,551.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands rather than rounding in computer operations.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

[2]Fuel codes 291141 (distillate fuel oil) and 291151 (residual fuel oil) have been combined to avoid disclosure of figures for individual companies.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3611	ELECTRIC MEASURING INSTRUMENTS										
	ENTIRE INDUSTRY	546	61.5	423.9	40.4	78.7	222.3	799.7	397.0	1 184.0	53.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	470	43.0	288.6	28.7	54.9	154.6	562.3	272.8	830.2	35.6
36111	INTEGRATING INSTRUMENTS, ELECTRICAL										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	40	10.6	68.6	7.5	15.0	40.8	133.1	62.8	198.8	4.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	29	4.9	32.4	3.5	7.2	19.2	52.6	27.5	82.1	2.3
36112	EQUIPMENT FOR TESTING ELECTRIC CIRCUITS, MOTORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	141	32.1	232.0	20.0	38.6	114.7	446.9	206.7	642.8	35.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	103	24.1	172.2	15.1	28.5	87.3	341.6	155.7	491.0	26.8
36113	OTHER ELECTRICAL MEASURING INSTRUMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	109	15.0	101.4	9.7	19.2	51.8	184.2	102.0	281.8	7.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	76	6.3	38.7	4.4	8.5	20.7	75.8	33.2	109.8	3.7
3612	TRANSFORMERS										
	ENTIRE INDUSTRY	190	45.6	317.6	34.0	68.5	210.1	678.9	531.8	1 188.4	52.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	172	43.8	307.5	32.5	65.6	203.3	661.1	516.5	1 155.4	49.2
36121	NATURAL-DRAFT DRY-TYPE TRANSFORMERS (SPECIALTY)										4.3
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	43	10.9	60.9	8.7	17.5	42.8	109.9	98.3	203.1	
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	33	8.4	48.7	6.7	14.0	31.4	72.3	78.1	145.8	3.3
36122	POWER AND DISTRIBUTION TRANSFORMERS, EXC. PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	63	32.1	240.7	23.1	46.8	157.1	536.5	405.6	926.8	44.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	51	25.2	185.5	18.4	36.7	123.3	419.4	347.0	754.9	(D)
36123	POWER REGULATORS, BOOSTERS, ETC., AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	14	2.0	11.1	1.5	3.0	7.0	24.3	22.0	44.4	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	7	.3	1.7	.2	.3	.9	3.4	3.2	6.3	.1
3613	SWITCHGEAR AND SWITCHBOARD APPARATUS										
	ENTIRE INDUSTRY	482	68.5	488.0	49.7	100.5	304.9	1 030.3	669.7	1 690.0	39.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	435	57.9	411.0	42.1	85.3	256.9	866.3	578.1	1 435.7	32.4
36131	SWITCHGEAR, EXCEPT DUCTS AND RELAYS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	81	22.4	185.3	15.5	30.7	110.5	370.4	237.0	606.5	15.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	46	7.6	54.3	5.4	11.2	32.6	123.1	82.6	205.7	6.4
36132	POWER CIRCUIT BREAKERS, ALL VOLTAGES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	10	6.7	52.8	4.7	10.3	33.3	105.6	76.4	178.1	4.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36133	LOW VOLTAGE PANELBOARDS, ETC., 750 VOLTS AND LESS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	127	14.7	100.4	10.5	21.4	63.5	219.1	191.2	408.8	8.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	82	6.8	45.0	4.7	9.6	26.8	87.8	97.3	186.9	4.5
36134	FUSES AND FUSE EQUIPMENT, UNDER 2300 VOLTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	12	3.7	20.0	3.2	7.2	15.6	43.1	18.2	60.7	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36135	MOLDED CASE CIRCUIT BREAKERS, 750 VOLTS AND UNDER										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	11	6.5	40.8	5.0	9.8	26.9	120.1	45.0	162.0	4.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	2.8	14.7	2.2	4.4	10.1	59.8	17.5	73.7	3.0
36136	DUCT, PLUG-IN UNITS, ACCESS., 750 VOLTS AND LESS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36137	RELAYS, CONTROL CIRCUIT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	45	9.8	53.7	7.4	14.3	33.1	103.1	46.9	149.8	3.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	32	6.9	35.8	5.3	10.3	23.0	73.6	33.8	106.5	2.2

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967—Continued

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3621	MOTORS AND GENERATORS										
	ENTIRE INDUSTRY	409	112.8	764.6	85.3	172.3	514.4	1 430.8	977.5	2 402.3	102.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	348	72.2	458.5	57.1	113.3	317.9	863.3	627.4	1 477.3	58.5
36211	FRACTIONAL HORSEPOWER MOTORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	121	48.9	318.9	39.1	78.0	230.0	567.1	381.9	956.4	49.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	93	31.1	184.9	26.0	50.8	139.3	357.1	252.2	613.1	31.2
36212	INTEGRAL HP MOTORS, GENERATORS, EXC. LAND TRANS.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	47	33.3	255.0	22.7	46.8	156.7	503.9	330.4	832.3	31.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	20	8.2	61.5	5.6	11.5	37.6	112.4	73.5	174.6	4.5
36213	LAND TRANSPORTATION MOTORS, GENERATORS, PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	2.3	16.9	1.6	3.3	9.8	32.7	22.6	53.5	1.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	7	1.6	12.2	1.1	2.3	7.0	25.3	16.0	41.0	.9
36214	PRIME MOVER GENERATOR SETS, EXC. STEAM, HYDRAULIC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	12	3.0	22.0	2.1	4.3	13.4	45.4	68.5	108.9	4.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36215	MOTOR-GENERATOR SETS AND OTHER ROTATING EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	45	16.8	99.3	13.0	26.4	67.9	192.0	111.1	299.9	11.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	28	10.1	57.7	8.3	16.9	41.2	129.3	67.9	194.5	7.0
36216	PARTS, SUPPLIES FOR MOTORS, GENERATORS, SETS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	26	3.1	18.8	2.5	5.1	13.7	35.2	28.9	62.3	1.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	17	2.1	12.5	1.8	3.5	9.5	24.6	21.4	44.8	.6
3622	INDUSTRIAL CONTROLS										
	ENTIRE INDUSTRY	476	50.4	350.9	34.8	69.6	210.7	720.9	388.6	1 102.8	34.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	426	32.0	222.2	21.1	41.9	119.7	451.0	266.1	714.7	16.6
3623	WELDING APPARATUS										
	ENTIRE INDUSTRY	147	13.7	118.4	9.4	19.8	72.9	265.3	237.8	493.3	18.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	133	12.0	104.5	8.3	17.5	65.3	235.4	217.4	445.4	9.3
36231	ARC WELDING MACHY, PTS., ACCESS., EXC. ELECTRODES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	32	4.2	29.5	2.9	6.4	18.8	68.4	59.9	125.8	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	25	2.3	15.9	1.6	3.3	9.7	35.8	35.4	68.9	.5
36232	ARC WELDING ELECTRODES, METAL										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	19	2.7	19.7	1.7	3.4	10.8	59.7	76.3	133.0	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36233	RESISTANCE WELDERS, COMPON., ACCESS., ELECTRODES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	37	3.9	34.9	2.5	5.3	18.5	58.1	35.9	92.7	2.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	26	2.1	19.9	1.3	3.0	10.5	31.2	19.8	50.4	.9
3624	CARBON AND GRAPHITE PRODUCTS										
	ENTIRE INDUSTRY	65	11.9	82.8	9.1	18.5	57.8	186.3	117.8	296.4	41.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	60	10.8	74.7	8.3	16.7	51.8	174.8	111.7	280.2	30.6
3629	ELECTRICAL INDUSTRIAL APPARATUS, NEC										
	ENTIRE INDUSTRY	219	17.9	103.7	14.0	27.4	69.2	188.3	141.3	328.8	12.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	196	13.7	79.6	10.8	20.9	52.3	141.1	108.0	247.5	9.2
36291	CAPACITORS FOR INDUSTRIAL USE (NOT ELECTRONIC)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	13	3.7	24.6	2.9	5.8	16.9	46.4	41.0	87.3	6.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36292	RECTIFYING APPARATUS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	41	4.4	25.5	3.3	6.8	16.2	48.1	34.5	81.7	1.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	31	3.0	17.7	2.2	4.4	11.1	34.5	23.5	56.3	1.5
36293	OTHER ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	67	8.3	46.6	6.6	12.7	31.0	80.3	57.5	138.4	3.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	60	6.8	38.2	5.5	10.6	25.7	63.7	45.6	100.1	2.5

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

TABLE 9.—Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations."

HOUSEHOLD APPLIANCES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3631--Household Cooking Equipment
3632--Household Refrigerators and Home and Farm Freezers
3633--Household Laundry Equipment
3634--Electric Housewares and Fans
3635--Household Vacuum Cleaners
3636--Sewing Machines
3639--Household Appliances, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3631--HOUSEHOLD COOKING EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing household cooking equipment, such as stoves, ranges, and ovens. Establishments primarily engaged in manufacturing household cooking appliances, such as hot plates, grills, percolators, and toasters are classified in industry 3634. Establishments primarily engaged in manufacturing commercial cooking equipment are classified in industry 3589. For a detailed list of products of industry 3631, refer to table 6A, product codes 3631111 to 3631298.

This code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Household Cooking Equipment Industry in 1967 totaled $552 million. This included shipments of household cooking equipment (primary products), valued at $482 million, shipments of other products (secondary products) valued at $39 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $30 million.

This industry's shipments of household cooking equipment (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent. Secondary products shipped by this industry in 1967 included household appliances, n.e.c. ($8 million).

Industry 3631 shipments of household cooking equipment (primary products) in 1967 represented 76 percent (coverage ratio) of these products valued at $632 million shipped by all industries. In 1963, the coverage ratio was 72 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3631, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3632--HOUSEHOLD REFRIGERATORS AND HOME AND FARM FREEZERS

This industry comprises establishments primarily engaged in manufacturing household refrigerators and home and farm freezers. Establishments primarily engaged in manufacturing commercial and industrial refrigeration equipment, packaged room coolers, and dehumidifiers are classified in industry 3585. For a detailed list of products of industry 3632, refer to table 6A, product codes 3632107 to 3632247.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Household Refrigerators and Freezers Industry in 1967 totaled $1,785 million. This included shipments of household refrigerators and freezers (primary products), valued at $984 million, shipments of other products (secondary products) valued at $698 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $103 million.

This industry's shipments of household refrigerators and freezers (primary products) in 1967 represented 59 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 66 percent. Secondary products shipped by this industry in 1967 consisted mainly of refrigeration machinery ($461 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 90 percent of the total industry shipments are represented by plants specializing in product class 36321, household refrigerators.

Industry 3632 shipments of household refrigerators and freezers (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $988 million shipped by all industries. In 1963, the coverage ratio was also 99 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3632, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3633--HOUSEHOLD LAUNDRY EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing commercial laundry equipment such as washing machines, wringers, driers, and ironers for household use. Establishments primarily engaged in manufacturing commercial laundry equipment are classified in industry 3582. For a detailed list of products of industry 3633, refer to table 6A, product codes 3633131 to 3633298.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been slightly changed from the classification system used in 1963. The change in composition of the industry as now constituted, compared with that under the classification system followed in the 1963 census, is due principally to the exclusion of coin-operated household washing machines from industry 3633 for 1967. In 1967, such machines are included in industry 3582, Commercial Laundry Equipment.

Value of shipments and other receipts of the Household Laundry Equipment Industry in 1967 totaled $983 million. This included shipments of household laundry equipment (primary products), valued at $839 million, shipments of other products (secondary products) valued at $121 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $22 million.

This industry's shipments of household laundry equipment (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 96 percent of the total industry shipments are represented by plants specializing in product class 36331, Household mechanical washing machines, dryers, and washer-dryer combinations.

Industry 3633 shipments of household laundry equipment (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $932 million shipped by all industries. In 1963, the coverage ratio was 87 percent. Other industries shipping household laundry equipment (primary products) consisted mainly of industry 3632, household refrigerators and freezers, $79 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3633, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3634--ELECTRIC HOUSEWARES AND FANS

This industry comprises establishments primarily engaged in manufacturing electric housewares for heating, cooking, and other purposes; and electric fans, including ventilating and exhaust household-type fans. Important products of this industry include electric air heaters, bed coverings, blenders, broilers, deep-fat fryers, flatirons, food mixers, hotplates, percolators and coffeemakers, roasters, toasters, desk and bracket fans, hassock or floor fans, window-type propeller fans, roll-abouts and household and kitchen ventilating and exhaust fans. Establishments primarily engaged in manufacturing industrial and commercial blowers, industrial and commercial exhaust and ventilating fans, and attic fans are classified in industry 3564. For a detailed list of products of industry 3634, refer to table 6A, product codes 3634137 to 3634431.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electric Housewares and Fans Industry in 1967 totaled $1,112 million. This included shipments of electric housewares and fans (primary products), valued at $918 million, shipments of other products (secondary

products) valued at $100 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $94 million.

This industry's shipments of electric housewares and fans (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent.

Industry 3634 shipments of electric housewares and fans (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $1,073 million shipped by all industries. In 1963, the coverage ratio was 81 percent. Other industries shipping electric housewares and fans (primary products) included industry 3461, Metal Stampings, $38 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3634, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3635--HOUSEHOLD VACUUM CLEANERS

This industry comprises establishments primarily engaged in manufacturing vacuum cleaners for household use. Establishments primarily engaged in manufacturing vacuum cleaners for industrial use are classified in industry 3589, and installation of built in vacuum cleaner systems in industry 1796. For a detailed list of products of industry 3635, refer to table 6A, product codes 3635011 to 3635071.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Household Vacuum Cleaners Industry in 1967 totaled $293 million. This included shipments of household vacuum cleaners (primary products), valued at $213 million, shipments of other products (secondary products) valued at $71 million, and miscellaneous receipts of $9 million.

This industry's shipments of household vacuum cleaners (primary products) in 1967 represented 75 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent. Secondary products shipped by this industry in 1967 included household appliances, n.e.c., $22 million.

Industry 3635 shipments of household vacuum cleaners (primary products) in 1967 represented 84 percent (coverage ratio) of these products valued at $255 million shipped by all industries. In 1963, the coverage ratio was 80 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3635, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3636--SEWING MACHINES

This industry comprises establishments primarily engaged in manufacturing sewing machines for domestic and industrial use. For a detailed list of products of industry 3636, refer to table 6A, product codes 3636021 to 3636081.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Sewing Machines Industry in 1967 totaled $124 million. This included shipments of sewing machines (primary products), valued at $113 million.

This industry's shipments of sewing machines (primary products) in 1967 represented 95 to 99 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 to 95 percent.

Industry 3636 shipments of sewing machines (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $117 million shipped by all industries. In 1963, the coverage ratio was also 96 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3635, these establishments accounted for approximately less than 1 percent of payroll and value added by manufacture.

3639--HOUSEHOLD APPLIANCES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing household appliances, not elsewhere classified, such as hot water heaters, dishwashers, and food waste disposal units. For a detailed list of products of industry 3639, refer to table 6A, product codes 3639111 to 3639391.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Household Appliances, N.E.C., Industry in 1967 totaled $480 million. This included shipments of household appliances, n.e.c. (primary products), valued at $404 million, shipments of other products (secondary products) valued at $61 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $15 million.

This industry's shipments of household appliances, n.e.c. (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 79 percent. Secondary products shipped by this industry in 1967 included heating equipment except electric ($11 million).

Industry 3639 shipments of household appliances, n.e.c. (primary products) in 1967 represented 79 percent (coverage ratio) of these products valued at $510 million shipped by all industries. In 1963, the coverage ratio was 79 percent. Other industries shipping household appliances, n.e.c. (primary products) consisted mainly of industry 3632, Household Refrigerators and Freezers, $43 million; and industry 3635, Household Vacuum Cleaners, $22 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3639, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3631.—HOUSEHOLD COOKING EQUIPMENT														
1967 Census....	73	49	20.4	128.4	16.0	31.3	88.7	254.2	293.6	551.9	8.6	107.9	92	76
1966 ASM[1].....	(NA)	(NA)	20.7	129.9	16.4	32.9	91.8	253.7	305.8	548.5	10.1	112.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	20.8	125.2	16.4	33.2	86.6	264.0	297.6	553.6	13.2	106.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	19.8	117.8	15.4	30.2	76.9	233.8	265.8	500.0	9.6	87.2	(NA)	(NA)
1963 Census....	83	53	19.2	111.3	15.1	30.4	75.6	230.3	253.5	473.5	8.2	84.9	87	72
1962 ASM[1].....	(NA)	(NA)	18.8	102.7	14.2	27.2	66.5	192.2	217.0	411.9	4.7	69.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.9	102.1	14.2	27.9	65.9	184.9	218.1	401.4	3.7	71.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	20.1	104.1	15.0	29.2	63.1	186.2	219.7	407.3	7.0	67.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	19.0	96.7	15.0	30.0	66.1	194.3	216.9	411.4	6.2	61.0	(NA)	(NA)
1958 Census[2]...	69	55	18.2	89.2	14.1	28.2	60.3	181.1	184.9	364.9	4.0	61.4	88	72
INDUSTRY 3632.--HOUSEHOLD REFRIGERATORS AND FREEZERS														
1967 Census....	36	25	53.0	377.8	43.9	84.5	290.2	794.0	1,025.5	1,785.4	37.3	336.0	59	99
1966 ASM[1].....	(NA)	(NA)	53.9	388.2	45.2	88.8	300.6	752.2	965.8	1,674.9	32.1	314.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	48.6	344.6	39.9	81.5	265.7	740.9	858.1	1,593.5	40.8	255.4	(NA)	(NA)
1964 ASM[1].....	NA)	(NA)	45.8	307.5	37.8	76.3	236.9	680.2	805.5	1,455.0	23.6	242.7	(NA)	(NA)
1963 Census....	34	25	43.1	280.0	35.2	70.0	212.2	631.3	696.1	1,306.5	21.8	208.6	66	99
1962 ASM[1].....	(NA)	(NA)	42.1	259.1	34.8	73.0	199.4	570.4	661.4	1,205.2	13.3	179.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	41.7	253.6	33.9	66.8	192.4	470.1	622.0	1,101.6	13.8	164.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	47.1	265.1	38.8	73.9	202.9	525.5	660.7	1,156.8	16.0	180.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	47.0	253.6	39.0	77.4	195.1	537.3	672.9	1,199.4	*12.5	163.8	(NA)	(NA)
1958 Census[2]...	26	26	41.5	221.4	33.2	65.6	167.4	433.4	537.6	1,002.3	9.9	140.5	74	98
INDUSTRY 3633.--HOUSEHOLD LAUNDRY EQUIPMENT														
1967 Census....	35	28	22.2	154.2	17.8	33.7	113.8	408.4	562.3	982.5	31.8	138.6	87	90
1966 ASM[1].....	(NA)	(NA)	23.1	160.1	18.4	36.0	115.5	415.8	556.7	946.9	19.7	153.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	21.0	140.2	16.1	32.1	98.1	392.9	482.9	889.2	19.2	120.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	20.4	131.8	16.5	32.8	97.8	379.7	466.4	831.8	14.4	135.1	(NA)	(NA)
1963 Census....	39	28	18.3	115.4	14.7	28.8	85.9	353.9	416.0	760.2	9.2	110.8	89	87
1962 ASM[1].....	(NA)	(NA)	21.1	131.6	15.6	30.6	88.5	346.4	414.8	755.7	6.4	110.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	21.5	126.7	15.6	30.4	83.6	313.8	395.7	715.4	7.1	101.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	23.4	131.8	17.3	32.9	88.9	279.1	433.4	723.0	10.7	107.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	25.9	142.1	19.4	37.5	96.6	347.4	488.7	835.8	11.1	121.2	(NA)	(NA)
1958 Census[2]...	39	33	24.6	134.3	18.0	35.8	89.6	324.5	427.2	738.9	7.2	118.5	91	91
INDUSTRY 3634.--ELECTRIC HOUSEWARES AND FANS														
1967 Census....	290	143	44.6	241.1	35.5	69.1	161.0	590.4	518.5	1,112.0	24.6	236.2	90	86
1966 ASM[1].....	(NA)	(NA)	44.7	236.3	36.6	70.4	161.3	600.2	504.6	1,127.8	25.9	237.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	41.3	211.3	33.9	68.4	144.8	547.4	464.0	980.2	26.3	187.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	38.3	190.9	30.3	60.5	128.7	478.4	405.9	889.1	14.7	150.9	(NA)	(NA)
1963 Census....	312	136	38.8	188.3	31.1	59.6	126.9	463.8	394.6	850.3	17.0	159.8	87	81
1962 ASM[1].....	(NA)	(NA)	35.0	170.6	27.9	52.2	112.9	404.0	355.7	740.5	10.7	138.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	31.8	151.7	25.3	47.7	100.0	360.0	310.3	671.1	8.7	123.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	32.3	152.6	25.8	49.1	101.5	355.7	293.0	628.6	11.2	129.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	30.2	139.1	23.8	45.9	93.1	335.0	261.0	596.2	10.7	104.9	(NA)	(NA)
1958 Census[2]...	311	105	29.1	128.8	22.5	42.8	84.6	301.0	245.1	559.1	10.0	101.0	86	82
INDUSTRY 3635.--HOUSEHOLD VACUUM CLEANERS														
1967 Census....	34	17	9.2	58.8	7.1	13.2	39.6	181.4	116.5	293.2	6.5.	56.5	75	84
1966 ASM[1].....	(NA)	(NA)	8.2	51.1	6.2	11.9	34.3	156.1	111.2	252.6	4.6	49.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	6.4	40.8	4.8	9.1	26.3	131.4	82.3	210.6	6.6	32.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.7	35.7	4.1	8.1	22.7	119.7	65.2	184.7	3.9	28.1	(NA)	(NA)
1963 Census....	34	13	5.7	35.5	4.2	8.2	22.7	116.1	65.3	175.4	5.7	30.1	87	80
1962 ASM[1].....	(NA)	(NA)	5.6	33.4	4.0	7.8	20.7	107.5	59.7	163.6	4.2	23.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.7	33.3	4.0	7.6	19.7	90.2	58.0	150.8	2.8	20.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	5.7	33.6	4.1	7.9	20.3	94.1	62.4	154.4	2.3	23.0	(NA)	(MA)
1959 ASM[1].....	(NA)	(NA)	5.9	33.6	4.2	8.5	20.7	90.2	65.5	153.7	4.2	21.8	(NA)	(NA)
1958 Census[2]...	27	14	5.3	29.9	3.7	7.5	18.0	84.2	55.4	142.0	2.2	16.7	93	83

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3636.—SEWING MACHINES													
1967 Census....	86	21	6.4	49.3	4.9	9.7	34.7	94.1	31.2	123.6	5.6	51.2	95-99	96
1966 ASM[1].....	(NA)	(NA)	6.1	48.2	4.6	10.8	34.8	97.4	31.9	120.8	3.5	45.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	6.7	49.1	4.8	10.4	32.8	88.5	32.1	128.7	2.6	40.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	7.6	51.8	5.7	11.5	34.8	74.1	31.4	120.1	2.7	49.2	(NA)	(NA)
1963 Census....	86	17	7.6	52.0	5.8	12.1	36.3	98.3	30.6	117.2	2.6	63.7	90-95	96
1962 ASM[1].....	(NA)	(NA)	6.8	44.7	4.5	10.1	29.1	81.5	48.3	120.3	1.5	47.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	9.9	58.9	6.7	13.8	38.0	89.7	50.1	136.8	3.5	45.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	10.4	62.4	7.1	15.7	41.2	87.5	50.3	134.9	4.3	43.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	9.8	53.5	7.1	13.9	34.8	72.2	49.4	128.6	(S)	40.8	(NA)	(NA)
1958 Census[2]...	85	17	9.6	48.3	7.0	13.3	32.8	62.0	44.6	109.3	5.4	49.2	97	94
	INDUSTRY 3639.--HOUSEHOLD APPLIANCES, N.E.C.													
1967 Census....	83	54	13.4	90.9	10.0	20.6	60.1	217.7	265.6	479.9	10.7	75.5	87	79
1966 ASM[1].....	(NA)	(NA)	12.9	84.7	9.9	20.3	57.2	211.7	242.8	448.9	15.6	65.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	13.0	85.1	10.1	20.3	58.8	225.0	253.6	475.7	11.7	64.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	13.1	84.3	9.9	19.9	57.5	221.5	248.8	466.8	9.0	61.6	(NA)	(NA)
1963 Census....	112	67	13.1	81.6	9.9	19.9	54.3	204.2	233.1	435.5	6.7	58.1	79	79
1962 ASM[1].....	(NA)	(NA)	13.2	79.5	9.8	19.6	52.9	172.3	241.7	412.6	7.5	47.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	12.2	73.3	8.6	17.4	46.6	141.0	209.7	353.2	*5.6	46.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	12.8	75.7	9.2	18.3	46.3	146.9	211.8	357.3	8.3	54.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	14.4	81.5	10.0	19.0	49.2	161.7	235.4	399.0	(S)	56.9	(NA)	(NA)
1958 Census[2]...	94	71	14.6	79.7	10.1	20.0	47.4	162.7	212.0	378.8	4.4	56.6	79	83

Note: In 1967, 1963, and 1958, the number of companies in industry 3631 was 66, 77, and 64, respectively; in industry 3632: 31, 31, and 25; industry 3633: 25, 31, and 33; industry 3634: 248, 286, and 289; industry 3635: 34, 34, and 27; industry 3636: 83, 83, and 83; industry 3639: 71, 102, and 106. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. * These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3631.--HOUSEHOLD COOKING EQUIPMENT								
1967 Census.....	6,308	78	1,959	2.84	.53	.76	12,491	51	8.13
1966 ASM.....	6,270	79	2,003	2.79	.56	.79	12,245	51	7.71
1965 ASM.....	6,020	79	3,252	1.63	.54	.76	12,692	47	4.96
1964 ASM.....	5,939	78	1,962	2.54	.53	.77	11,787	50	7.73
1963 Census.....	5,798	79	2,004	2.49	.54	.77	12,000	48	7.59
1962 ASM.....	5,467	75	1,922	2.44	.53	.78	10,231	53	7.06
1961 ASM.....	5,407	75	1,967	2.36	.54	.80	9,790	55	6.62
1960 ASM.....	5,174	75	1,942	2.16	.54	.80	9,251	56	6.38
1959 ASM.....	5,098	79	2,001	2.21	.53	.76	10,236	50	6.48
1958 Census.....	4,916	78	1,997	2.14	.51	.75	9,976	49	6.43
	INDUSTRY 3632.--HOUSEHOLD REFRIGERATORS AND FREEZERS								
1967 Census.....	7,126	83	1,923	3.44	.57	.79	14,976	48	9.40
1966 ASM.....	7,198	84	1,963	3.39	.58	.81	13,949	52	8.47
1965 ASM.....	7,084	82	2,044	3.26	.54	.75	15,232	47	9.09
1964 ASM.....	6,712	82	2,022	3.10	.55	.76	14,850	45	8.91
1963 Census.....	6,501	82	1,986	3.03	.53	.75	14,659	44	9.02
1962 ASM.....	6,152	83	2,096	2.73	.55	.76	13,546	45	7.81
1961 ASM.....	6,079	81	1,973	2.88	.56	.79	11,269	54	7.04
1960 ASM.....	5,624	82	1,903	2.75	.57	.80	11,149	50	7.11
1959 ASM.....	5,393	83	1,987	2.52	.56	.77	11,429	47	6.94
1958 Census.....	5,337	80	1,977	2.55	.54	.76	10,444	51	6.61

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3633.--HOUSEHOLD LAUNDRY EQUIPMENT								
1967 Census	6,959	81	1,887	3.38	.57	.73	18,433	38	12.13
1966 ASM	6,925	80	1,955	3.21	.59	.76	17,988	38	11.55
1965 ASM	6,672	77	1,992	3.06	.54	.70	18,702	36	12.24
1964 ASM	6,450	81	1,990	2.98	.56	.72	18,575	35	11.56
1963 Census	6,291	80	1,956	2.98	.55	.70	19,291	33	12.28
1962 ASM	6,239	74	1,967	2.89	.55	.72	16,424	38	11.30
1961 ASM	5,900	73	1,952	2.75	.55	.73	14,611	40	10.31
1960 ASM	5,643	74	1,908	2.70	.60	.78	11,949	47	8.48
1959 ASM	5,484	75	1,936	2.57	.58	.75	13,409	41	9.26
1958 Census	5,459	73	1,984	2.51	.58	.76	13,192	41	9.08
	INDUSTRY 3634.--ELECTRIC HOUSEWARES AND FANS								
1967 Census	5,407	80	1,950	2.33	.47	.68	13,241	41	8.54
1966 ASM	5,287	82	1,925	2.29	.44	.66	13,706	39	8.70
1965 ASM	5,117	82	2,019	2.12	.47	.69	13,909	37	8.40
1964 ASM	4,978	79	1,993	2.13	.46	.67	12,475	40	7.91
1963 Census	4,852	80	1,918	2.13	.46	.69	11,954	41	7.79
1962 ASM	4,874	80	1,868	2.16	.48	.71	11,541	42	7.74
1961 ASM	4,771	80	1,887	2.09	.46	.69	11,324	42	7.54
1960 ASM	4,718	80	1,901	2.07	.47	.71	11,001	43	7.24
1959 ASM	4,602	79	1,929	2.03	.44	.67	11,084	42	7.29
1958 Census	4,420	77	1,904	1.98	.44	.67	10,327	43	7.03
	INDUSTRY 3635.--HOUSEHOLD VACUUM CLEANERS								
1967 Census	6,375	77	1,863	3.01	.40	.60	19,650	32	13.78
1966 ASM	6,244	76	1,919	2.87	.44	.64	19,081	33	13.07
1965 ASM	6,343	74	1,923	2.87	.39	.58	20,429	31	14.37
1964 ASM	6,296	73	1,972	2.79	.35	.55	21,086	30	14.72
1963 Census	6,252	75	1,938	2.76	.37	.58	20,439	31	14.15
1962 ASM	6,022	72	1,944	2.65	.36	.57	19,362	31	13.77
1961 ASM	5,871	70	1,914	2.59	.38	.61	15,909	37	11.84
1960 ASM	5,861	71	1,946	2.57	.40	.62	16,405	36	11.93
1959 ASM	5,720	72	2,013	2.44	.43	.64	15,367	37	10.62
1958 Census	5,603	70	1,988	2.41	.39	.60	15,794	35	11.29
	INDUSTRY 3636.--SEWING MACHINES								
1967 Census	7,642	76	1,980	3.57	.25	.65	14,600	52	9.66
1966 ASM	7,935	76	2,339	3.21	.26	.66	16,045	49	9.00
1965 ASM	7,290	71	2,167	3.15	.25	.63	13,120	56	8.48
1964 ASM	6,818	75	2,028	3.03	.26	.69	9,749	70	6.44
1963 Census	6,796	76	2,077	2.99	.26	.70	12,860	53	8.10
1962 ASM	6,581	67	2,235	2.87	.40	.77	12,003	55	8.04
1961 ASM	5,940	68	2,057	2.76	.37	.80	9,044	66	6.51
1960 ASM	6,016	69	2,208	2.61	.37	.84	8,438	71	5.56
1959 ASM	5,478	73	1,956	2.51	.38	.80	7,394	74	5.20
1958 Census	5,029	73	1,905	2.46	.41	.85	6,453	78	4.65
	INDUSTRY 3639.--HOUSEHOLD APPLIANCES, N.E.C.								
1967 Census	6,777	75	2,057	2.92	.55	.74	16,229	42	10.56
1966 ASM	6,543	76	2,050	2.82	.54	.73	16,359	40	10.45
1965 ASM	6,554	78	2,015	2.90	.53	.71	17,337	38	11.09
1964 ASM	6,448	76	2,008	2.89	.53	.71	16,949	38	11.14
1963 Census	6,215	75	2,014	2.72	.54	.72	15,555	40	10.25
1962 ASM	6,040	74	1,997	2.70	.59	.78	13,084	46	8.81
1961 ASM	6,000	71	2,019	2.68	.59	.80	11,537	52	8.10
1960 ASM	5,890	72	1,988	2.53	.59	.80	11,437	51	8.04
1959 ASM	5,676	70	1,896	2.59	.59	.79	11,259	50	8.51
1958 Census	5,448	69	1,978	2.37	.56	.77	11,125	49	8.14

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3631-- HOUSEHOLD COOKING EQUIPMENT													
UNITED STATES	73	49	20.4	128.4	16.0	31.3	88.7	254.2	293.6	551.9	8.6	19.2	230.0
NORTHEAST REGION	18	11	2.7	16.4	2.2	4.5	11.6	29.8	36.3	66.4	1.4	3.0	29.4
NEW ENGLAND DIVISION	4	2	.2	1.2	.1	.3	.8	1.7	2.5	4.2	-	(D)	(D)
MIDDLE ATLANTIC DIVISION	14	9	2.5	15.2	2.1	4.2	10.8	28.1	33.8	62.2	1.4	(D)	(D)
NEW YORK	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	14.8
NORTH CENTRAL REGION	23	17	8.2	56.6	6.1	11.6	37.8	99.6	113.9	212.9	2.3	8.3	93.8
EAST NORTH CENTRAL DIVISION	22	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	14	11	5.6	37.1	4.5	8.2	27.7	59.3	76.6	136.0	1.7	5.2	57.6
MICHIGAN	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	21	15	8.1	45.9	6.7	13.3	33.5	108.0	125.3	236.6	4.7	5.5	79.6
SOUTH ATLANTIC DIVISION	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	15	14	7.9	44.8	6.5	12.9	32.7	105.4	123.1	232.2	(D)	(D)	(D)
KENTUCKY	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	11	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	11	6	1.3	9.5	.9	1.9	5.9	16.8	18.1	35.9	.2	2.4	27.6
PACIFIC DIVISION	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	27.6
CALIFORNIA	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	27.6
3632-- HOUSEHOLD REFRIGERATORS & FREEZERS													
UNITED STATES	36	25	53.0	377.8	43.9	84.5	290.2	793.0	1 025.5	1 785.4	37.3	43.1	631.3
NORTHEAST REGION	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	22	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	17	16	41.5	304.2	34.3	66.2	234.0	574.8	797.5	1 348.0	(D)	34.1	498.2
OHIO	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.9	55.9
WISCONSIN	3	3	.6	3.6	.5	.9	2.7	6.6	8.5	14.3	.1	.5	5.4
WEST NORTH CENTRAL DIVISION	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3633-- HOUSEHOLD LAUNDRY EQUIPMENT													
UNITED STATES	35	28	22.2	154.2	17.8	33.7	113.8	408.4	562.3	982.5	31.8	18.3	353.9
NORTHEAST REGION	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	30	25	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	22	19	15.0	102.1	11.9	22.2	73.6	241.8	419.5	668.7	19.0	12.8	220.1
OHIO	7	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3634-- ELECTRIC HOUSEWARES AND FANS													
UNITED STATES	290	143	44.6	241.1	35.5	69.1	161.0	590.4	518.5	1 112.0	24.6	38.8	463.8
NORTHEAST REGION	101	50	12.7	70.2	10.2	19.4	47.6	185.1	137.8	323.1	7.5	11.9	171.9
NEW ENGLAND DIVISION	23	17	4.5	25.0	3.7	7.2	17.7	79.2	44.8	124.9	2.6	5.4	90.6
MASSACHUSETTS	9	7	.5	2.0	.5	.7	1.5	5.0	3.5	8.2	.1	.3	1.1
CONNECTICUT	12	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	78	33	8.2	45.2	6.4	12.2	30.0	106.0	93.0	198.2	5.0	6.5	81.3
NEW YORK	52	23	5.2	27.8	4.1	7.9	18.5	62.7	61.3	126.1	1.8	4.2	44.3
NEW JERSEY	17	5	.3	1.4	.2	.5	1.0	3.0	2.5	5.5	.2	[2](D)	[2](D)
PENNSYLVANIA	9	5	2.7	16.0	2.1	3.8	10.5	40.4	29.1	66.6	3.0	[2](D)	[2](D)
NORTH CENTRAL REGION	84	42	15.8	97.5	11.9	23.4	60.0	197.3	182.4	378.0	8.5	15.5	181.8
EAST NORTH CENTRAL DIVISION	63	28	11.3	77.1	7.9	15.1	43.6	151.9	137.3	289.1	5.6	12.7	157.9
OHIO	12	7	2.2	15.0	1.7	3.6	9.7	45.3	27.2	72.8	1.1	[2](D)	[2](D)
ILLINOIS	26	13	7.0	47.6	4.8	8.8	26.3	75.4	88.7	164.2	3.1	7.0	97.2
WISCONSIN	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.3	23.4
WEST NORTH CENTRAL DIVISION	21	14	4.5	20.4	4.0	8.4	16.4	45.5	45.1	89.0	2.9	2.8	23.9
IOWA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	14	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	23.0
SOUTH REGION	67	43	14.4	61.6	12.0	23.7	45.1	163.4	181.6	349.5	6.6	9.8	74.5
SOUTH ATLANTIC DIVISION	34	21	7.4	32.7	6.2	12.1	24.2	90.4	102.0	197.6	3.9	3.2	27.7
DELAWARE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	13	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	17.9
SOUTH CAROLINA	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA[e]	5	3	.2	.7	.1	.3	.4	2.1	1.8	4.3	.1	.1	.7
EAST SOUTH CENTRAL DIVISION	18	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.4	41.8
TENNESSEE	9	7	2.5	11.1	2.1	4.4	8.3	30.1	27.2	58.2	1.8	2.4	25.7
MISSISSIPPI	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	5.1
ARKANSAS	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
LOUISIANA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	38	8	1.8	11.8	1.4	2.7	8.3	44.5	16.8	61.3	2.0	1.5	35.7
MOUNTAIN DIVISION	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	35	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	25	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	34.7
3635-- HOUSEHOLD VACUUM CLEANERS													
UNITED STATES	34	17	9.2	58.8	7.1	13.2	39.6	181.4	116.5	293.2	6.5	5.7	116.1
NORTHEAST REGION	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	7	4	.2	.8	.2	.3	.5	1.7	1.3	2.9	(Z)	(D)	(D)
NEW YORK[e]	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.7
NORTH CENTRAL REGION	17	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	83.9
EAST NORTH CENTRAL DIVISION	15	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	11	5	4.2	29.2	3.2	5.9	20.0	93.8	50.7	143.3	(D)	[2](D)	[2](D)
ILLINOIS	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3636-- SEWING MACHINES													
UNITED STATES	86	21	6.4	49.3	4.9	9.7	34.7	94.1	31.2	123.6	5.6	7.6	98.3
NORTHEAST REGION	69	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3636-- SEWING MACHINES--CONTINUED													
NORTHEAST REGION--CONTINUED													
MIDDLE ATLANTIC DIVISION	57	11	4.4	34.4	3.1	6.0	22.2	52.6	20.4	73.3	3.0	4.2	43.7
NEW YORK[c]	42	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	11	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3639-- HOUSEHOLD APPLIANCES, NEC													
UNITED STATES	83	54	13.4	90.9	10.0	20.6	60.1	217.7	265.6	479.9	10.7	13.1	204.2
NORTHEAST REGION	17	12	1.6	10.0	1.2	2.5	6.7	20.6	26.8	46.3	.6	1.8	22.6
NEW ENGLAND DIVISION	4	4	.2	1.4	.1	.2	.7	3.0	4.9	7.7	.1	.8	10.0
MIDDLE ATLANTIC DIVISION	13	8	1.4	8.6	1.1	2.3	6.1	17.6	22.0	38.6	.6	1.1	12.6
NEW YORK	8	4	.2	1.4	.2	.4	.8	2.6	3.6	6.1	.1	.3	3.0
NEW JERSEY	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	28	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.9	88.1
EAST NORTH CENTRAL DIVISION	25	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	86.5
OHIO	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
INDIANA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	19	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION[c]	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	11	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	19	12	2.9	18.6	1.8	3.9	10.9	36.2	48.2	82.6	(D)	3.1	38.8
PACIFIC DIVISION	18	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	15	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	34.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Household cooking equipment (SIC 3631)	Household refrigerators and freezers (SIC 3632)	Household laundry equipment (SIC 3633)	Electric housewares and fans (SIC 3634)	Household vacuum cleaners (SIC 3635)	Sewing machines (SIC 3636)	Household appliances, n.e.c. (SIC 3639)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.92	.59	.87	.90	.75	.95-.99	.87
COVERAGE RATIO[2]	.76	.99	.90	.86	.84	.96	.79
ESTABLISHMENTS, TOTAL .NUMBER	73	36	35	290	34	86	83
WITH 1 TO 19 EMPLOYEES .DO	24	11	7	147	17	65	29
WITH 20 TO 99 EMPLOYEES .DO	13	6	8	57	8	14	25
WITH 100 EMPLOYEES OR MORE .DO	36	19	20	86	9	7	29
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	20.4	53.0	22.2	44.6	9.2	6.4	13.4
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	128.4	377.8	154.2	241.1	58.8	49.3	90.9
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	16.0	43.9	17.8	35.5	7.1	4.9	10.0
MARCH .DO	16.3	42.9	16.8	34.3	6.9	5.1	9.6
MAY .DO	15.4	43.7	15.7	32.8	7.0	5.1	9.7
AUGUST .DO	15.6	43.7	19.5	35.7	7.2	4.9	10.2
NOVEMBER .DO	16.6	45.3	19.4	39.0	7.2	4.6	10.7
MAN-HOURS .MILLIONS	31.3	84.5	33.7	69.1	13.2	9.7	20.6
JANUARY-MARCH .DO	7.7	20.5	8.2	17.0	3.4	2.7	5.0
APRIL-JUNE .DO	7.9	21.9	7.5	16.6	3.4	2.7	5.0
JULY-SEPTEMBER .DO	7.4	18.9	8.5	16.4	3.0	2.1	4.9
OCTOBER-DECEMBER .DO	8.2	23.2	9.5	19.1	3.4	2.3	5.8
WAGES MILLION DOLLARS	88.7	290.2	113.8	161.0	39.6	34.7	60.1
COST OF MATERIALS, ETC., TOTAL .DO	293.6	1 025.5	562.3	518.5	116.5	31.2	265.6
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	268.3	932.9	538.7	448.8	105.9	22.3	250.4
COST OF RESALES .DO	17.4	77.2	12.8	60.0	(D)	(D)	8.8
FUELS CONSUMED .DO	2.3	6.5	2.8	2.2	(D)	(D)	2.1
PURCHASED ELECTRIC ENERGY .DO	2.5	8.3	4.8	4.7	1.0	(D)	2.2
CONTRACT WORK .DO	3.2	.6	3.1	2.8	(D)	(D)	2.1
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	551.9	1 785.4	982.5	1 112.0	293.2	123.6	479.9
VALUE OF RESALES .DO	22.6	95.9	19.0	82.0	(D)	(D)	10.0
VALUE ADDED BY MANUFACTURE .DO	254.2	794.0	408.4	590.4	181.4	94.1	217.7
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL .DO	112.3	311.0	153.7	241.9	51.9	48.6	67.5
FINISHED PRODUCTS .DO	53.1	170.7	81.4	114.2	23.8	18.6	26.8
WORK IN PROCESS .DO	20.8	62.9	30.8	55.9	19.7	26.2	13.5
MATERIALS, SUPPLIES, FUEL, ETC. .DO	38.4	77.4	41.5	71.9	8.4	3.8	27.2
END OF YEAR, TOTAL .DO	107.9	336.0	138.6	236.2	56.5	51.2	75.5
FINISHED PRODUCTS .DO	52.2	205.6	70.5	99.3	28.3	21.0	29.5
WORK IN PROCESS .DO	17.8	62.3	29.9	67.7	19.9	25.5	14.3
MATERIALS, SUPPLIES, FUEL, ETC. .DO	38.0	68.1	38.2	69.2	8.3	4.6	31.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	8.9	38.5	32.0	25.7	6.5	5.6	10.9
NEW PLANT AND EQUIPMENT, TOTAL .DO	8.6	37.3	31.8	24.6	6.5	5.6	10.7
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	1.7	15.1	7.5	4.5	2.0	1.5	3.2
NEW MACHINERY AND EQUIPMENT .DO	6.9	22.2	24.3	20.2	4.5	4.0	7.5
USED PLANT AND EQUIPMENT .DO	.3	1.2	.1	1.0	.1	(Z)	.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3631-- HOUSEHOLD COOKING EQUIPMENT											
ESTABLISHMENTS, TOTAL	73	20.4	128.4	16.0	31.3	88.7	254.2	293.6	551.9	8.6	107.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	15	(Z)	.3	(Z)	(Z)	.2	.6	.8	1.4	(Z)	.2
5 TO 9 EMPLOYEES[e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	7	.1	.6	.1	.1	.3	1.4	1.6	3.0	(Z)	.6
20 TO 49 EMPLOYEES	6	.2	1.1	.1	.3	.7	2.5	3.9	6.3	.1	1.0
50 TO 99 EMPLOYEES	7	.5	2.9	.4	.9	2.0	4.4	6.5	11.6	.2	1.7
100 TO 249 EMPLOYEES	17	2.7	14.7	2.1	4.1	10.0	24.2	43.1	68.5	.6	15.1
250 TO 499 EMPLOYEES	5	2.0	13.2	1.5	3.0	9.0	23.8	24.1	48.1	.4	8.9
500 TO 999 EMPLOYEES	9	6.3	34.7	5.2	10.1	24.8	61.6	80.7	140.5	2.6	34.6
1,000 TO 2,499 EMPLOYEES	5	8.6	61.0	6.5	12.6	41.8	135.7	133.0	272.5	4.7	45.7
ESTABS. COVERED BY ADMIN. RECORDS[1]	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3632-- HOUSEHOLD REFRIGERATORS & FREEZERS											
ESTABLISHMENTS, TOTAL	36	53.0	377.8	43.9	84.5	290.2	796.9	1 029.4	1 791.9	37.3	336.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	10	.1	.4	.1	.1	.4	1.0	1.0	2.1	[2]1.9	.4
5 TO 9 EMPLOYEES[e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	4	.3	2.0	.2	.5	1.3	3.9	4.3	8.3	(D)	1.2
100 TO 249 EMPLOYEES	3	.5	3.1	.4	.8	2.2	6.0	5.2	10.8	(D)	2.7
250 TO 499 EMPLOYEES[e]	3	1.1	7.5	.9	1.9	5.7	13.8	18.8	31.8	(D)	3.5
1,000 TO 2,499 EMPLOYEES	6	9.4	59.9	7.6	14.4	43.2	139.5	197.2	326.0	4.6	64.3
2,500 EMPLOYEES OR MORE	7	41.5	304.9	34.7	66.7	237.4	632.7	802.8	1 412.8	30.8	264.0
ESTABS. COVERED BY ADMIN. RECORDS[1]	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3633-- HOUSEHOLD LAUNDRY EQUIPMENT											
ESTABLISHMENTS, TOTAL	35	22.2	154.2	17.8	33.7	113.8	408.4	562.3	982.5	31.8	138.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	2	.1	1.0	(Z)	.1	.4	1.1	3.7	4.7	[2]12.4	1.0
5 TO 9 EMPLOYEES[e]	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	6	.5	3.3	.4	.8	2.4	6.5	11.1	17.4	(D)	1.9
100 TO 249 EMPLOYEES	5	.9	5.2	.6	1.3	3.5	6.4	10.3	16.7	(D)	2.4
250 TO 499 EMPLOYEES	4	2.6	16.9	1.9	4.0	11.7	31.9	55.8	90.1	(D)	15.9
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	7	18.1	127.7	14.8	27.5	95.8	362.5	481.3	853.5	19.2	117.4
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3634-- ELECTRIC HOUSEWARES AND FANS											
ESTABLISHMENTS, TOTAL	290	44.6	241.1	35.5	69.1	161.0	590.4	518.5	1 112.0	24.6	236.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	94	.1	.8	.1	.2	.5	2.2	1.9	4.1	(Z)	.7
5 TO 9 EMPLOYEES[e]	30	.2	1.0	.2	.3	.6	2.2	1.7	3.9	.2	.6
10 TO 19 EMPLOYEES	23	.3	1.5	.3	.5	1.0	3.9	3.8	7.7	.2	1.3
20 TO 49 EMPLOYEES	29	1.0	4.7	.7	1.4	2.8	10.6	9.1	20.2	.6	2.8
50 TO 99 EMPLOYEES	28	2.0	9.0	1.6	3.3	6.0	21.0	24.0	47.0	.9	8.4
100 TO 249 EMPLOYEES	33	5.1	25.4	4.3	8.5	16.9	66.0	76.1	140.2	2.1	30.5
250 TO 499 EMPLOYEES	23	8.4	37.5	7.2	14.2	27.0	110.2	95.3	206.1	3.8	46.1
500 TO 999 EMPLOYEES	21	13.8	69.8	11.1	22.3	50.5	158.6	156.0	319.0	6.8	70.2
1,000 TO 2,499 EMPLOYEES	8	13.6	91.4	9.9	18.4	55.7	215.6	150.6	363.9	10.1	75.6
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	96	.2	1.2	.2	.4	.8	3.1	2.7	5.8	.1	1.0
3635-- HOUSEHOLD VACUUM CLEANERS											
ESTABLISHMENTS, TOTAL	34	9.2	58.8	7.1	13.2	39.6	181.4	116.5	293.2	6.5	56.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	8	(Z)	.1	(Z)	(Z)	.1	.4	.2	.6	(Z)	.1
5 TO 9 EMPLOYEES[e]	3	(Z)	.1	(Z)	(Z)	.1	.3	.2	.5	(D)	.1
10 TO 19 EMPLOYEES	6	.1	.5	.1	.1	.4	1.2	.8	2.0	(Z)	.2
20 TO 49 EMPLOYEES	5	.1	.7	.1	.2	.4	1.6	1.9	3.4	(Z)	.7
50 TO 99 EMPLOYEES	3	.2	1.1	.2	.3	.7	1.4	3.2	4.7	(D)	.5
100 TO 249 EMPLOYEES	3	1.5	10.9	1.3	2.3	7.2	30.6	32.9	63.6	1.0	11.5
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	3	7.2	45.5	5.5	10.2	30.8	145.9	77.3	218.5	5.4	43.4
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3636-- SEWING MACHINES											
ESTABLISHMENTS, TOTAL	86	6.4	49.3	4.9	9.7	34.7	94.1	31.2	123.6	5.6	51.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[E]	48	.1	.5	.1	.1	.4	1.7	.6	2.3	(Z)	1.1
5 TO 9 EMPLOYEES[e]	8	.1	.4	(Z)	.1	.3	.7	.2	.9	(Z)	.3
10 TO 19 EMPLOYEES	9	.1	.7	.1	.2	.5	1.3	.6	1.9	(Z)	.2
20 TO 49 EMPLOYEES	10	.3	2.1	.2	.5	1.4	3.1	1.8	4.7	.3	1.1
50 TO 99 EMPLOYEES	4	.6	4.0	.5	.9	2.9	10.5	8.8	17.7	.6	7.3
100 TO 249 EMPLOYEES[e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 TO 499 EMPLOYEES	2	5.3	41.7	4.0	7.9	29.3	76.8	19.4	96.0	4.6	41.2
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	46	.1	.5	.1	.1	.4	1.8	.6	2.4	(Z)	1.2
3639-- HOUSEHOLD APPLIANCES, NEC											
ESTABLISHMENTS, TOTAL	83	13.4	90.9	10.0	20.6	60.1	217.7	265.6	479.9	10.7	75.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[E]	17	(Z)	.1	(Z)	(Z)	.1	.5	.5	1.0	(Z)	.1
5 TO 9 EMPLOYEES[e]	8	.1	.4	(Z)	.1	.2	.9	.9	1.9	(Z)	.3
10 TO 19 EMPLOYEES	4	.1	.5	(Z)	.1	.2	.8	.8	1.6	(Z)	.3
20 TO 49 EMPLOYEES	14	.5	2.8	.3	.7	1.7	9.5	20.4	28.3	.8	3.5
50 TO 99 EMPLOYEES[e]	11	.7	4.2	.5	1.1	2.9	9.1	18.2	27.1	.3	4.6
100 TO 249 EMPLOYEES	13	1.8	9.9	1.3	2.9	6.6	25.4	36.5	58.9	3.2	12.2
250 TO 499 EMPLOYEES	7	2.5	17.1	1.8	3.7	11.1	39.9	42.3	82.1	2.0	13.4
500 TO 999 EMPLOYEES	6	4.3	30.1	3.3	6.7	20.2	63.8	76.3	141.9	2.3	18.4
1,000 TO 2,499 EMPLOYEES	3	3.6	25.7	2.6	5.4	17.2	68.0	69.6	137.1	2.0	22.6
ESTABS. COVERED BY ADMIN. RECORDS	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3631	Household cooking equipment.....1967..	551.9	482.4	39.2	30.3	92	632.1	482.4	149.7	76
	1963..	473.5	383.8	59.7	29.9	87	536.7	383.8	153.0	72
3632	Household refrigerators and freezers.....1967..	1,785.4	984.4	697.8	103.2	59	987.6	984.4	3.2	99
	1963..	1,306.5	830.9	431.7	43.9	66	831.8	830.9	0.9	99
3633	Household laundry equipment.....1967..	982.5	838.9	121.5	22.1	87	931.7	838.9	92.8	90
	1963..	760.2	663.5	79.2	17.4	89	766.1	663.5	102.6	87
3634	Electric housewares and fans.....1967..	1,112.0	918.4	100.1	93.5	90	1,073.2	918.4	154.8	86
	1963..	850.3	658.3	101.0	91.0	87	810.0	658.3	151.7	81
3635	Household vacuum cleaners.....1967..	293.2	212.9	71.2	9.1	75	254.5	212.9	41.6	84
	1963..	175.4	146.3	22.6	6.4	87	183.1	146.3	36.8	80
3636	Sewing machines.....1967..	123.6	112.7	(D)	(D)	95-99	116.8	112.7	4.1	96
	1963..	117.2	100.7	(D)	(D)	90-95	104.7	100.7	4.0	96
3639	Household appliances, n.e.c.....1967..	479.9	403.7	61.4	14.8	87	510.2	403.7	106.5	79
	1963..	435.5	326.9	90.2	18.4	79	414.6	326.9	87.7	79

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Household cooking equipment (SIC 3631)	Household refrigerators and freezers (SIC 3632)	Household laundry equipment (SIC 3633)	Electric housewares and fans (SIC 3634)	Household vacuum cleaners (SIC 3635)	Sewing machines (SIC 3636)	Household appliances, n.e.c. (SIC 3639)	Other industries
	Total shipments and miscellaneous receipts....	(X)	551.9	1,785.4	982.5	1,112.0	293.2	123.6	479.9	(X)
3631-	Household appliances.....	632.1	482.4	(50-100)	(20-50)	(2-5)	-	-	(5-10)	39.6
36311	Electric household ranges and ovens and surface cooking unit equipment and parts (except small appliances).....	340.8	226.8	(50-100)	(20-50)	(2-5)	-	-	(2-5)	13.4
36312	Household ovens, and ranges, equipment, and parts, except electrical.....	289.1	253.5	-	(over 2)	(under 2)	-	-	(2-5)	26.1
36310	Household appliances, n.s.k.....	2.1	2.0	-	-	-	-	-	-	0.1
3632-	Household refrigerators and freezers.....	987.6	(under 2)	984.4	-	-	-	-	-	(2-5)
36321	Household refrigerators, including combination refrigerator-freezers.....	841.0	-	984.4	-	-	-	-	-	(under 2)
36322	Home and farm freezers.....	142.8	-		-	-	-	-	-	(under 2)
36320	Household refrigerators and freezers, n.s.k.....	3.8	(under 2)		-	-	-	-	-	(under 2)
3633-	Household laundry equipment.....	931.7	0.5	79.3	838.9	(under 2)	(5-10)	-	-	6.5
36331	Household mechanical washing machines, dryers, and washer-dryer combinations.....	843.2	(under 2)	79.3	755.3	-	(over 2)	-	-	(2-5)
36332	Other household laundry equipment and parts.....	83.8	(under 2)	-	78.8	(under 2)	(under 2)	-	-	(2-5)
36330	Household laundry equipment, n.s.k.....	4.7	-	-	4.7	-	-	-	-	-

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

Product code	Class of products, industry and miscellaneous receipts	All industries	Household cooking equipment (SIC 3631)	Household refrigerators and freezers (SIC 3632)	Household laundry equipment (SIC 3633)	Electric housewares and fans (SIC 3634)	Household vacuum cleaners (SIC 3635)	Sewing machines (SIC 3636)	Household appliances, n.e.c. (SIC 3639)	Other industries
3634-	Electric housewares and fans	1,073.2	3.3	(10-20)	(over 2)	918.4	(2-5)	-	(under 2)	112.7
36341	Electric fans, except industrial type	123.6	(under 2)	-	-	105.0	-	-	(under 2)	17.7
36342	Electric razors and dry shavers	66.2	(under 2)	-	-	(50-100)	-	-	-	-
36343	Other small household appliances	799.7	(under 2)	-	(over 2)	690.1	(2-5)	-	(under 2)	88.4
36344	Parts and attachments for small household electric appliances	62.3	(under 2)	(10-20)	(under 2)	38.0	-	-	-	(5-10)
36340	Electric housewares and fans, n.s.k.	21.5	-	-	-	(20-50)	-	-	-	(under 2)
36350	Household vacuum cleaners, including parts and attachments	254.5	-	(over 2)	(over 2)	(under 2)	212.9	-	(over 2)	(5-10)
36360	Sewing machines and parts, excluding cases and cabinets sold separately	116.8	-	-	-	-	-	112.7	-	4.1
3639-	Household appliances, n.e.c.	510.2	7.5	43.1	(2-5)	(2-5)	21.8	-	403.7	26.7
36391	Household water heaters, electric	63.4	(under 2)	-	-	(over 2)	-	-	58.1	(over 2)
36392	Household water heaters, except electric	130.1	-	-	-	-	-	-	114.1	16.0
36393	Other household appliances and parts	298.5	(5-10)	43.1	(2-5)	(under 2)	21.8	-	213.5	7.4
36390	Household appliances, n.e.c., n.s.k.	18.2	-	-	-	(under 2)	-	-	17.9	(under 2)
	Other product shipments by 4-digit product group									
1929	Ammunition, except for small arms, n.e.c.	(X)	-	-	-	-	(over 2)	-	-	(X)
1999	Ordnance and accessories, n.e.c.	(X)	-	-	-	-	(over 2)	-	-	(X)
2643	Bags, except textile bags	(X)	-	-	-	-	(over 2)	-	-	(X)
2842	Polishes and sanitation goods	(X)	-	-	-	-	(under 2)	-	(over 2)	(X)
3322	Malleable iron castings	(X)	(2-5)	-	-	-	-	-	-	(X)
3361	Aluminium castings	(X)	-	-	-	(under 2)	(over 2)	-	-	(X)
3423	Hand and edge tools, n.e.c.	(X)	-	-	-	(2-5)	-	-	(under 2)	(X)
3431	Metal plumbing fixtures	(X)	-	-	-	-	-	-	(2-5)	(X)
3433	Heating equipment, except electric	(X)	4.9	-	(over 2)	(2-5)	-	-	11.2	(X)
3443	Fabricated platework (boiler shops products)	(X)	-	-	-	-	-	-	2.6	(X)
3461	Metal stampings	(X)	4.4	-	(under 2)	(5-10)	-	-	-	(X)
3491	Metal barrels, drums, and pails	(X)	-	-	-	(under 2)	-	-	(over 2)	(X)
3522	Farm machinery	(X)	-	-	(under 2)	(10-20)	(under 2)	-	-	(X)
3548	Metalworking machinery, n.e.c.	(X)	-	-	(under 2)	(2-5)	-	-	-	(X)
3551	Food products machinery	(X)	-	-	-	(2-5)	-	-	-	(X)
3582	Commercial laundry equipment	(X)	-	(5-10)	29.0	-	-	-	-	(X)
3585	Refrigeration machinery	(X)	(5-10)	461.1	(over 2)	(10-20)	-	-	(over 2)	(X)
3589	Service industry machines, n.e.c.	(X)	(over 2)	-	-	(2-5)	(over 2)	-	(under 2)	(X)
3662	Radio and TV communication equipment	(X)	-	-	-	(10-20)	-	-	-	(X)
3699	Electrical equipment, n.e.c.	(X)	-	-	(under 2)	(over 2)	-	-	-	(X)
3714	Motor vehicle parts and accessories	(X)	-	(over 2)	-	(under 2)	-	-	-	(X)
3941	Games and toys	(X)	(over 2)	-	-	(under 2)	-	-	-	(X)
3999	Manufactured products, n.e.c.	(X)	-	-	-	(10-20)	-	-	-	(X)
	All other secondary products[1]	(X)	18.6	114.3	89.1	100.1	49.4	(D)	47.6	(X)
	Miscellaneous receipts, total	(X)	30.3	103.2	22.1	93.5	9.1	(10-20)	14.8	(X)
93000	Contract work	(X)	(under 2)	(under 2)	(under 2)	0.6	-	(under 2)	(under 2)	(X)
99980	Sales of scrap and refuse	(X)	0.5	5.5	2.6	1.9	0.6	(Z)	0.9	(X)
99980	Receipts for installation	(X)	(under 2)	(Z)	(Z)	(Z)	-	-	-	(X)
99980	Receipts for research and development	(X)	-	(Z)	-	(Z)	-	-	-	(X)
99980	Receipts for repair work	(X)	2.1	(Z)	(under 2)	(5-10)	(under 2)	(Z)	(under 2)	(X)
99980	Other miscellaneous receipts	(X)	4.7	(under 2)	(Z)	(under 2)	(under 2)	(Z)	(under 2)	(X)
99989	Resales	(X)	22.6	95.9	19.0	82.0	(5-10)	(10-20)	10.0	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products	
3631	3433 Heating equipment, except electric	14.3
	3522 Farm machinery	(2-5)
	3567 Industrial furnaces and ovens	(2-5)
	3642 Lighting fixtures	(2-5)
	3941 Games and toys	(over 2)
3633	3714 Motor vehicle parts and accessories	3.1
3634	2514 Metal household furniture	(2-5)
	3433 Heating equipment, except electric	(5-10)
	3461 Metal stampings	38.1
	3499 Fabricated metal products, n.e.c.	(5-10)
	3548 Metalworking machinery, n.e.c.	(2-5)
	3567 Industrial furnaces and ovens	(5-10)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products	
3634	3642 Lighting fixtures	(2-5)
	3694 Engine electrical equipment	(over 2)
	3714 Motor vehicle parts and accessories	(10-20)
	3729 Aircraft equipment, n.e.c.	(5-10)
	3751 Motorcycles, bicyles and parts	(over 2)
	3871 Watches and clocks	(2-5)
	3964 Needles, pins, and fasteners	(over 2)
3635	3621 Motors and generators	(over 2)
	3714 Motor vehicle parts and accessories	(over 2)
3639	3561 Pumps and compressors	(over 2)
	3567 Industrial furnaces and ovens	(2-5)
	3585 Refrigerator machinery	(10-20)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures include the value of all 4-digit products not shown as well as the value of those for which a range is shown.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3631- --	HOUSEHOLD COOKING EQUIPMENT, TOTAL	(X)	[1]632.1	(X)	536.7
36311 --	Electric household ranges and ovens and surface cooking unit equipment and parts (except small appliances)	(X)	340.8	(X)	282.1
	Electric ranges, over 2-1/2 kw, excluding range-refrigerator combinations:				
	Free standing ranges:				
36311 11	Under 23 inches in width all types, including apartment-house type	169.3	16.8	79.9	6.6
	23 inches up to and including 32 inches in width:				
36311 21	Low oven	684.4	91.7	521.1	61.2
36311 24	High oven	73.4	11.8	171.6	36.4
36311 26	High-low oven	156.3	29.0		
	33 inches and over in width:				
36311 32	Low oven and/or slide-in	254.4	37.9	282.9	46.6
36311 34	High oven	35.8	6.3		
36311 36	High-low oven				
	Other than free-standing:				
	Built-in ranges:				
	Built-in ovens:				
36311 53	Single oven	273.5	28.2	393.0	34.1
36311 55	Two ovens	90.8	20.9	80.7	10.7
36311 61	Surface cooking tops	282.0	14.7	399.0	21.8
36311 65	Drop-in ranges	253.4	32.5	276.6	32.4
36311 71	Household electronic stoves and ovens	(X)	3.4	(NA)	(NA)
36311 79	Other electric ranges not listed above	(X)	1.6	(X)	32.1
36311 81	Parts and accessories for household electric ranges and ovens, including such items as burners, rotisseries, oven racks, broiler pans, etc. (sold separately)	(X)	45.2		
36311 00	Electric household ranges and ovens and surface unit equipment, n.s.k	(X)	0.8	-	-
36312 --	Household ovens and ranges, equipment, and parts, except electric	(X)	289.1	(X)	253.6
36312 10	Domestic cooking appliances, except electric:				
	As reported in census of manufactures	(X)	254.6	(X)	219.7
	As reported on census annual Form MA-34N	(X)	231.6	(X)	219.5
	Cooking stoves and ranges:				
	Gas:				
	Standard type, free-standing:				
36312 11	Over 32 inch cooking top and oven	501.9	52.2	461.7	49.1
36312 13	Over 24 inch to 32 inch cooking top and oven	904.4	99.9	747.2	79.2
36312 15	Apartment ranges (24-inch cooking top and under)	257.4	17.8	316.1	20.3
36312 17	Standard type, for built-in installation (built-in or stack-on over-broiler unit)	193.9	21.3	331.7	32.0
36312 19	Surface cooking tops, one or more burners (quantity in number of top units)	167.4	6.9	324.7	14.1
	Nonstandard types:				
36312 21	Wall hung	36.5	7.3	108.3	11.8
36312 23	Slide-in or drop-in (including as one unit or drop-in cooking surface with a slide-in oven)	177.1	15.9		
36312 24	Gas hotplates	87.6	0.8	62.4	0.4
	Bungalow ranges:				
36312 25	Gas and coal	13.3	1.9	3.4	0.6
36312 27	All other			14.7	2.3
	Coal and wood:				
36312 35	Ranges	7.9	0.5	19.0	1.1
36312 37	Cookstoves	(D)	(D)	13.4	0.4
	Combination ranges (including ranges equipped with conversion burners):				
36312 45	Gas and oil	(D)	(D)	0.7	0.1
36312 47	Gas and coal				
36312 49	All other (including ranges equipped with conversion burners)				
	Kerosene, gasoline, fuel, oil, and miscellaneous:				
36312 53	Kerosene ranges	628.2	7.0	767.9	7.9
36312 55	Kerosene cookstoves				
36312 59	All other (needle valve stoves, gasoline pressure, camp-stoves, etc.)				
	Barbecuers, grills, and braziers for outdoor cooking:				
36312 12	Gas	(NA)	4.8	3,710.7	23.6
36312 32	Other than gas (charcoal, etc.)	3,718.8	24.7		
36312 98	Other household cooking equipment (except electric) and parts for cooking equipment sold separately	(X)	3.2	(X)	9.2
36312 00	Domestic cooking appliances, n.s.k	(X)	1.8	(X)	1.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity	Value ($1,000)	Quantity	Value ($1,000)
3631- --	HOUSEHOLD COOKING EQUIPMENT—Continued				
36310 00	Household cooking equipment, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	(X)	1.4	(X)	1.1
36310 02	Household cooking equipment, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	0.7		

Product code	Product	1967			1963		
		Production for all purposes (1,000 units)	Total shipments, including interplant transfers: Quantity (1,000 units)	Total shipments, including interplant transfers: Value (million dollars)	Production for all purposes (1,000 units)	Total shipments, including interplant transfers: Quantity (1,000 units)	Total shipments, including interplant transfers: Value (million dollars)
3632- --	HOUSEHOLD REFRIGERATORS AND FREEZERS, TOTAL	(X)	(X)	987.6	(X)	(X)	831.8
36321 --	Household refrigerators, including combination refrigerator-freezers	4,577.6	4,779.5	[1]841.0	4,220.6	4,098.4	687.9
	Household mechanical refrigerators (including combination refrigerator-freezers):						
	Complete units:						
36321 07	6.4 cubic feet and under	24.7	26.4	2.8	40.8	45.2	4.0
36321 08	6.5 to 8.4 cubic feet						
36321 15	8.5 to 9.4 cubic feet	39.3	54.3	5.7	47.0	47.0	5.0
36321 16	9.5 to 10.4 cubic feet	195.1	213.2	22.4	429.6	413.2	44.8
36321 17	10.5 to 11.4 cubic feet	99.8	91.1	11.7	206.4	201.4	25.2
36321 21	11.5 to 12.4 cubic feet	946.1	1,021.0	124.0	922.6	888.1	111.4
36321 22	12.5 to 13.4 cubic feet	140.9	175.5	21.6	768.4	775.6	127.0
36321 27	13.5 to 14.4 cubic feet	965.6	987.6	153.1	1,234.9	1,175.4	226.4
36321 33	14.5 to 15.4 cubic feet	436.6	435.9	79.3	147.1	151.7	35.8
36321 36	15.5 to 16.4 cubic feet	662.2	747.4	148.2			
36321 42	16.5 to 17.4 cubic feet	319.1	334.1	63.6			
36321 44	17.5 to 18.4 cubic feet	115.7	133.6	31.3	403.6	378.5	102.6
36321 46	18.5 to 19.4 cubic feet	210.6	182.3	54.6			
36321 48	19.5 cubic feet and over	397.3	378.2	113.5			
36321 61	Range-refrigerator and/or sink conbination	24.6	24.6	7.0	20.2	22.4	5.6
36321 00	Household refrigerators, n.s.k.	(X)	(X)	[1]2.3	-	-	-
36322 --	Home and farm freezers	1,003.1	1,039.4	142.8	1,047.7	1,006.6	143.1
	Home and farm freezers, complete units for freezing and/or storing foods:						
36322 13	8.4 cubic feet and under	33.3	45.4	5.1	16.8	18.4	1.7
36322 16	8.5 to 10.4 cubic feet				56.6	49.5	5.8
36322 19	10.5 to 12.4 cubic feet	98.5	89.5	10.2	96.9	96.2	12.9
	12.5 to 14.4 cubic feet:						
36322 21	Upright type	67.0	78.5	9.7	143.7	138.2	18.8
36322 22	Chest type						
	14.5 to 15.4 cubic feet:						
36322 24	Upright type	77.8	84.1	11.3	139.8	128.1	16.6
36322 25	Chest type	106.9	111.6	12.1	84.8	87.8	10.6
	15.5 to 17.4 cubic feet:						
36322 27	Upright type	203.4	199.9	29.4	123.7	118.9	18.7
36322 28	Chest type	71.4	75.2	9.7	103.9	102.3	13.6
	17.5 to 19.4 cubic feet:						
36322 31	Upright type	127.4	128.8	20.0	51.1	50.7	9.2
36322 32	Chest type	26.1	26.7	3.2	19.5	17.5	2.4
	19.5 to 21.4 cubic feet:						
36322 34	Upright type	72.9	76.0	10.7	48.0	42.7	7.4
36322 35	Chest type				51.8	51.7	8.3
	21.5 to 23.4 cubic feet:						
36322 41	Upright type	7.2	8.4	1.8	[2]32.5	[2]31.5	[2]5.7
36322 43	Chest type	77.0	80.5	11.2	[3]78.5	[3]72.9	[3]11.2
	23.5 cubic feet and over:						
36322 45	Upright type	34.2	34.8	6.3	(2)	(2)	(2)
36322 47	Chest type				(3)	(3)	(3)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	1967			1963		
		Production for all purposes (1,000 units)	Total shipments, including interplant transfers		Production for all purposes (1,000 units)	Total shipments, including interplant transfers	
			Quantity (1,000 units)	Value (million dollars)		Quantity (1,000 units)	Value (million dollars)
3632- --	HOUSEHOLD REFRIGERATORS AND FREEZERS--Continued						
36322 00	Home and farm freezers, n.s.k.	(X)	(X)	1.7	-	-	-
36320 00	Household refrigerators and home and farm freezers, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	(X)	3.1	(X)	(X)	0.8
36320 02	Household refrigerators and home and farm freezers, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	(X)	0.5			

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3633- --	HOUSEHOLD LAUNDRY EQUIPMENT, TOTAL	(X)	931.7	(X)	766.1
36331 --	Household mechanical washing machines, dryers, and washer-dryer combinations	(X)	843.2	(X)	698.8
	Washing machines, mechanical, including those with dishwasher attachments:				
	Standard size, electrically driven:				
36331 31	Fully automatic	4,085.1	531.6	3,528.9	475.4
36331 33	Semiautomatic				
36331 36	Nonautomatic, wringer type and spinner type	442.4	36.8	667.4	56.7
36331 39	All other, including gasoline-driven and small size	(NA)	0.3	(X)	
	Dryers, mechanical:				
36331 51	Gas	823.7	87.8	551.0	58.2
36331 55	Electric	1,853.1	171.6	1,079.3	102.0
	Washer-dryer combinations (in one cabinet):				
36331 81	Electric	68.4	15.1	31.1	6.5
36331 85	Gas				
36332 --	Other household laundry equipment and parts	(X)	83.8	(X)	66.8
36332 71	Other household laundry equipment, including wringers	(X)	8.1	(X)	4.7
36332 98	Parts, accessories, and attachments for household laundry equipment, sold separately	(X)	75.7	(X)	62.1
36330 00	Household laundry equipment, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note)	(X)	4.2	(X)	(Z)
36330 02	Household laundry equipment, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note)	(X)	0.5	(X)	0.5
3634- --	ELECTRIC HOUSEWARES AND FANS, TOTAL	(X)	1,073.2	(X)	810.0
36341 --	Electric fans, except industrial type:				
36341 00	As reported in the census of manufactures	(X)	123.6	(X)	102.0
	As reported on Census annual Form MA-36E	(X)	126.5	(X)	98.9
	Desk and wall bracket (all sizes):				
36341 37	Oscillating	676	8.4	622	6.6
36341 51	Nonoscillating	657	4.9	327	2.3
	Window type propeller fans (household):				
	Permanent type (reversible and nonreversible):				
36341 75	20 inch	721	12.8	558	10.4
36341 77	Other than 20 inch	456	5.2	483	4.9
36341 81	Portable (suitcase type), all sizes	2,252	27.9	1,387	18.9
36341 83	Roll-abouts (mounted on portable stand), all sizes	488	9.0	351	7.4
	Household and kitchen ventilating and exhaust fans:				
	Electric range hoods:				
36341 84	Ducted	880	16.8	1,690	29.8
36341 85	Nonducted	532	13.8		
36341 86	Oven hoods, ducted and nonducted	2,225	20.4	1,162	14.4
36341 87	Other household and kitchen ventilating and exhaust fans				
36341 98	Other household electric fans (including high pedestal fans and floor or hassock type fans)	545	7.2	258	4.1

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Shipments			
		1967		1963	
		Quantity	Value (million dollars)	Quantity	Value (million dollars)
3634- --	ELECTRIC HOUSEWARES AND FANS--Continued				
36342 --	Electric razors and dry shavers:				
36342 00	As reported in the census of manufactures	(X)	66.2	(X)	53.4
	As reported on Census annual Form MA-36E	4,800	63.8	(X)	53.4
36342 13	Men's	2,878	47.5	3,839	53.4
36342 15	Ladies'	1,922	16.3		
36343 --	Other small household electric appliances:				
36343 00	As reported in the census of manufactures	(X)	799.7	(X)	562.6
	As reported on Census annual Form MA-36E	(X)	720.7	(X)	561.9
	Broilers:				
36343 12	Without rotisseries	878	6.7	1,178	10.6
36343 13	With rotisseries	830	13.1		
	Automatic coffeemakers:				
36343 14	Vacuum and percolator types	6,000	50.3	5,758	51.8
36343 15	Urn type	2,395	21.3		
36343 23	Deep fat fryers (excluding covers and controls shipped separately)	532	4.3	503	3.5
35343 24	Ovens and roasters (with or without broiler attachments)	322	4.2	301	3.8
36343 29	Hotplates and disc stoves (1,650 watts or less) (except built-in-units)	790	3.2	792	3.3
36343 36	Toasters, automatic	3,891	42.5	3,294	33.3
36343 39	Waffle irons, sandwich grills, griddles, and combinations	1,364	17.1	1,084	12.3
36343 42	Frying pans (skillets) (excluding covers and controls shipped separately)	2,291	28.3	2,009	23.4
	Air space heaters (portable room heaters only):				
36343 43	Fan forced type	1,913	r21.9	1,601	15.9
36343 44	Other types (including convector, radiant, and convector-radiant)	215	2.7	551	6.6
	Air space heaters for fixed or permanent installations (except warm air furnaces and unit heaters):				
36343 45	Baseboard (excluding glass panel type)	(X)	r30.9	(X)	20.7
36343 47	Other	(X)	13.8	(X)	8.8
36343 48	Corn poppers	1,554	5.4	1,036	3.1
36343 49	Other household electric cooking and heating appliances (immersion heaters, faucet attachment water heaters, steam radiators, pressure cookers, casseroles, nonautomatic coffeemakers, automatic sauce pans, hot trays, food warmers, etc.) (excluding covers and controls shipped separately)	(X)	30.1	(X)	23.4
	Standard household electric irons:				
36343 50	Steam and spray	7,596	69.8	6,773	59.1
36343 61	Other than steam, automatic type (thermostat controlled heat)	1,567	9.6	1,588	8.7
36343 65	Travel irons	419	3.2	443	3.1
36343 69	Other electric irons (tailors', milliners', boudoir, nonautomatic standard household, etc.)				
	Household food preparation appliances:				
	Food mixers (including standard attachments sold together with mixers):				
36343 71	Hand (portable)	3,845	31.1	2,624	22.4
36343 75	Stand	771	19.8	710	15.0
36343 76	Blenders (liquefiers)	3,610	71.2	1,148	19.7
36343 77	Ice crushers	405	3.8	45	0.5
36343 78	Other household food preparation appliances (including drink mixers, whippers, juicers, grinders, slicers, and choppers)	(X)	8.9	(X)	410.7
	Miscellaneous electric appliances:				
36343 83	Electric blankets	4,036	37.1	5,217	44.7
36343 85	Other electric bed coverings (including sheets, mattress covers, and comforters)				
36343 87	Heating pads (including foot warmers)	3,096	7.8	3,022	7.8
36343 88	Electric knives	2,319	23.7	(4)	(4)
36343 91	Electric tooth brushes	1,568	13.6	1,239	11.2
36343 92	Air purifiers (portable)	(5)	(5)	(5)	(5)
36343 93	Can openers (single purpose units; combination purpose units such as can opener combination with knife sharpener, etc.)	5,504	42.7	3,189	25.4
	Hair dryers:				
36343 94	With bonnets	3,201	39.4	7,565	84.6
36343 95	Without bonnets	529	8.0	50	0.2
36343 96	Humidifiers (portable)	149	4.1	382	3.8
36343 97	Knife sharpeners	48	0.3	319	2.0
36343 98	Other electric appliances (curling irons, vibrators, hand and face dryers etc.)	(X)	540.1	(X)	5422.2
36344	Parts and attachments for small household electric appliances	(X)	62.3	(X)	81.5
36344 11	Parts and accessories for electric housewares and fans	(X)	58.2	(X)	74.6
36344 31	Electric controls for frying pans and for other household cooking appliances, shipped separately	(X)	2.1	(X)	6.9
36340 00	Electrical housewares and fans, n.s.k. (represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	15.7	(X)	10.4
36340 02	Electrical housewares and fans, n.s.k., (represents principally establishments with fewer than 10 employees in 1967. See Note)	(X)	5.8		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3635- --	HOUSEHOLD VACUUM CLEANERS	(X)	[1]254.5	(X)	183.1
	Household vacuum cleaners, including parts and attachments:				
36350 11	Hand-type	129.5	2.0	123.4	2.6
36350 31	Upright, tank, canister, and other general purpose household type	6,071.7	208.6	3,815.4	152.3
36350 41	Complete power units, central system type	25.0	3.3		
36350 51	Attachments and cleaning tools, sold separately	(X)	17.8	(X)	16.6
36350 71	Parts for household type vacuum cleaners	(X)	19.0	(X)	9.3
36350 00	Household vacuum cleaners, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	2.8	(X)	2.3
36350 02	Household vacuum cleaners n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	0.9		

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 heads)	Value (million dollars)	Quantity (1,000 heads)	Value (million dollars)
3636- --	SEWING MACHINES, TOTAL	(X)	116.8	(X)	104.7
	Sewing machines and parts, excluding cases and cabinets sold separately:				
36360 21	Household sewing machines, including heads for sale with cabinets or cases, and heads for sale separately	(D)	(D)	(D)	(D)
36360 71	Industrial sewing machines (except shoe sole stitching machines)	99.8	49.3	121.2	47.7
36360 81	Sewing machine parts, and attachments for household and industrial sewing machines (except cases and cabinets)	(X)	[6]62.1	(X)	[6]53.9
36360 00	Sewing machines, n.s.k. (Represents principally establishments with 10 or more in 1967. See Note)	(X)	3.0	(X)	3.1
36360 02	Sewing machines, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note)	(X)	2.4	(X)	

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3639- --	HOUSEHOLD APPLIANCES, N.E.C., TOTAL	.....	(X)	510.2	(X)	414.6
36391 --	Household water heaters, electric	.....	(X)	[1]63.4	(X)	61.4
	Electric water heaters (for permanent installation):					
	Storage type:					
36391 11	34 gallons and under	1,000 units	431.2	13.8	399.7	13.4
36391 12	35 to 44 gallons	...do	400.9	16.1	320.2	14.4
36391 14	45 to 54 gallons	...do	467.7	20.4	360.1	17.4
36391 15	55 gallons and over	...do	151.8	10.3	131.1	8.0
36391 98	Other types, including circulating and portable	.....	(X)	2.0	(X)	6.0
36391 00	Electric water heaters, n.s.k	.....	(X)	0.6	(X)	2.2
36392 --	Household water heaters, except electric:					
36392 00	As reported in census of manufactures	.....	(X)	130.1	(X)	142.2
	As reported on Census annual Form MA-34N	1,000 units	(X)	135.9	(X)	143.3
	Water heaters:					
	Direct-fired water heaters:					
	Gas:					
36392 11	Underfired storage	...do	2,871.8	118.7	3,041.9	127.5
36392 13	Sidearm	...do			18.6	0.9
	Oil:					
36392 23	Underfired storage	...do	13.5	2.0	18.8	2.6
36392 25	Sidearm	...do				
36392 31, 33	Coal and wood tank heaters, cast-iron and steel	...do	(Z)	(Z)	0.5	(Z)

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3639- --	HOUSEHOLD APPLIANCES, N.E.C.--Continued					
36392 --	Household water heaters, except electric--Continued					
	As reported on Census annual Form MA-34N--Continued					
	Water heaters--Continued					
	Indirect water heaters:					
	Storage, cast or coil-type (less tank):					
36392 41	20 g.p.h. and less	...do	6.1	0.6	17.5	0.5
36392 43	21 g.p.h. and over	...do				
36392 51	Tanks (with or without generator coils)	...do	2.8	3.7	2.9	2.4
36392 55	Instantaneous	...do	174.0	10.0	180.4	8.5
36392 53	Generator coils with tank collar (sold without tank)	...do	5.7	1.0	4.0	0.7
36393 --	Other household appliances and parts	.....	(X)	298.5	(X)	208.1
	Dishwashing machines:					
36393 12	Portable type, including convertible type	1,000 units	604.4	71.1	287.9	37.9
36393 14	Built-in type	...do	977.5	128.0	609.4	83.9
36393 31	Floor waxing and polishing machines	...do	1,410.3	29.8	1,392.9	29.4
36393 71	Food waste disposers (all sizes)	...do	1,498.5	43.5	1,239.3	34.4
36393 81	Other household service machines	.....	(X)	16.3	(X)	13.6
36393 91	Parts and accessories for electric water heaters	.....	(X)	7.1	(X)	8.5
36393 00	Other household type appliances and parts, n.s.k	.....	(X)	2.8	(X)	0.5
36390 00	Household appliances, n.e.c., n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note)	.....	(X)	16.6	(X)	2.9
36390 02	Household appliances, n.e.c., n.s.k. (Represents principally establishments with fewer than 10 employees. See Note)	.....	(X)	1.6		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than $50 thousand. [r] Revised.

[1] Totals may be different from the sum of the detail due to independent rounding.

[2] In 1963 23.5 cubic feet and over upright-type are included in 21.5 to 23.4 cubic feet upright-type freezers.

[3] In 1963 23.5 cubic feet and over chest-type are included in 21.5 to 23.4 cubic feet chest-type freezers.

[4] For 1963, data on electric knives were included with product codes 3634378, Other household food preparation appliances, and 3634398, Other electric appliances.

[5] Portable air purifiers are included with "other electric appliances" (3634398) in order to avoid disclosing figures of individual companies.

[6] Includes the value of shipments of household sewing machines.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
ELECTRIC HOUSEHOLD RANGES, OVENS, AND PARTS (36311)		
United States	340.8	282.1
Northeast Region	EE	(D)
Middle Atlantic Div.	EE	(D)
New York	CC	(1)
Pennsylvania	CC	(1)
North Central Region	186.9	172.0
East North Central Div.	GG	(D)
Ohio	100.5	115.0
Indiana	CC	(D)
Illinois	62.6	45.0
Michigan	EE	(1)
Wisconsin	BB	(1)
West North Central Div.	AA	(D)
Missouri	AA	(D)
South Region	131.6	(D)
South Atlantic Div.	BB	(D)
Maryland	AA	(D)
West Virginia	AA	(D)
East South Central Div.	GG	(D)
Kentucky	GG	(1)
Tennessee	33.4	(D)
West Region	CC	(D)
Pacific Div.	CC	(D)
California	CC	(1)
HOUSEHOLD OVENS, RANGES, AND PARTS, EXCEPT ELECTRIC (36312)		
United States	289.1	253.6
Northeast Region	50.6	45.1
New England Div.	BB	(D)
Massachusetts	BB	(1)
Middle Atlantic Div.	FF	(D)
New York	EE	(1)
New Jersey	4.5	(D)
Pennsylvania	FF	25.1
North Central Region	117.5	105.7
East North Central Div.	98.6	(D)
Ohio	27.0	22.9
Indiana	BB	(D)
Illinois	67.9	70.9
Wisconsin	AA	(1)
West North Central Div.	18.9	(D)
Minnesota	BB	(D)
Missouri	BB	(1)
Kansas	EE	(1)
South Region	93.9	75.2
South Atlantic Div.	AA	(D)
South Carolina	AA	(D)
East South Central Div.	GG	(D)
Kentucky	EE	(1)
Tennessee	76.5	55.5
West Region	27.0	27.6
Pacific Div.	FF	27.6
California	FF	(1)
HOUSEHOLD REFRIGERATORS AND REFRIGERATOR-FREEZERS (36321)		
United States	841.0	687.9
Northeast Region	4.7	(D)
Middle Atlantic Div.	4.7	(D)
New York	BB	(1)
North Central Region	GG	(D)
East North Central Div.	GG	517.1
Ohio	GG	(1)
Indiana	GG	(1)
Illinois	GG	(1)
Michigan	112.7	(1)
Wisconsin	3.1	3.9
West North Central Div.	FF	(D)
Minnesota	EE	(1)
Iowa	FF	(1)
South Region	GG	(D)
East South Central Div.	GG	(D)
Kentucky	GG	(1)
West South Central Div.	BB	(D)
Arkansas	BB	(1)
HOME AND FARM FREEZERS (36322)		
United States	142.8	143.1
North Central Region	GG	125.1
East North Central Div.	50.9	89.8
Ohio	EE	(1)
Indiana	BB	(1)
Illinois	EE	(1)
Michigan	10.2	16.1
Wisconsin	6.0	5.5
West North Central Div.	FF	35.3
Minnesota	FF	(1)
Iowa	BB	(1)
South Region	FF	(D)
East South Central Div.	EE	(D)
Kentucky	EE	(1)
West South Central Div.	FF	(D)
Arkansas	FF	(1)
Texas	AA	(1)
HOME MECHANICAL WASHERS, DRYERS, AND COMBINATION (36331)		
United States	843.2	698.8
Northeast Region	AA	(D)
Middle Atlantic Div.	AA	5.9
New York	AA	(1)
North Central Region	719.9	(D)
East North Central Div.	GG	464.4
Ohio	356.3	252.3
Indiana	CC	(D)
Illinois	GG	(1)
Michigan	GG	(1)
Wisconsin	GG	(1)
West North Central Div.	GG	(D)
Iowa	GG	(1)
HOME MECHANICAL WASHERS, DRYERS, AND COMBINATION (36331)--Con.		
South Region	GG	(D)
East South Central Div.	GG	(D)
Kentucky	GG	(1)
OTHER HOUSEHOLD LAUNDRY EQUIPMENT AND PARTS (36332)		
United States	83.8	66.8
Northeast Region	BB	(D)
Middle Atlantic Div.	BB	6.9
Pennsylvania	BB	(1)
North Central Region	76.2	56.0
East North Central Div.	58.1	41.1
Ohio	22.3	(1)
Indiana	AA	2.5
Illinois	AA	(1)
Michigan	24.5	14.3
Wisconsin	CC	(1)
West North Central Div.	18.2	14.9
Iowa	EE	(1)
South Region	BB	(D)
East South Central Div.	BB	(D)
Kentucky	AA	(1)
West Region	AA	(D)
Pacific Div.	AA	(D)
California	AA	(1)
ELECTRIC FANS, EXCEPT INDUSTRIAL TYPE (36341)		
United States	123.6	102.1
Northeast Region	23.9	22.8
New England Div.	CC	13.8
Connecticut	CC	(1)
Middle Atlantic Div.	EE	9.0
New York	4.8	(1)
Pennsylvania	CC	(1)
North Central Region	70.6	50.6
East North Central Div.	53.4	37.6
Ohio	28.6	22.8
Illinois	EE	(1)
Michigan	AA	(1)
Wisconsin	BB	(1)
West North Central Div.	17.2	13.0
Missouri	17.2	13.0
South Region	28.7	(D)
South Atlantic Div.	CC	(D)
Virginia	AA	(D)
North Carolina	BB	(1)
South Carolina	BB	(1)
East South Central Div.	16.9	(D)
Tennessee	EE	(D)
West South Central Div.	BB	(D)
Texas	BB	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER SMALL HOUSEHOLD ELECTRIC APPLIANCES (36343)		
United States	799.7	562.6
Northeast Region	GG	183.3
New England Div	GG	73.5
Massachusetts	CC	(1)
Rhode Island	BB	(D)
Connecticut	51.2	61.2
Middle Atlantic Div	148.4	109.8
New York	83.2	73.1
Pennsylvania	GG	34.2
North Central Region	249.3	211.2
East North Central Div	179.4	171.8
Ohio	FF	36.8
Indiana	EE	(1)
Illinois	58.8	75.9
Wisconsin	64.5	50.7
West North Central Div	69.9	39.4
Minnesota	AA	(D)
Iowa	CC	(D)
Missouri	GG	38.1
South Region	281.3	125.0
South Atlantic Div	164.7	(D)
Delaware	CC	(1)
Maryland	CC	(1)
Virginia	BB	(1)
North Carolina	116.6	33.4
South Carolina	FF	(1)
East South Central Div	76.4	(D)
Tennessee	FF	30.5
Alabama	AA	(D)
Mississippi	42.2	28.2
West South Central Div	40.2	(D)
Arkansas	FF	(1)
Louisiana	EE	(D)
Texas	BB	(D)
West Region	GG	43.1
Mountain Div	EE	(D)
Colorado	EE	(D)
Pacific Div	FF	(D)
Washington	AA	(D)
California	FF	(1)
PARTS, ATTACHMENTS FOR SMALL ELECTRIC HOUSEWARES (36344)		
United States	62.3	81.5
Northeast Region	13.4	17.8
New England Div	6.2	4.4
Massachusetts	BB	(D)
Connecticut	BB	3.6
Middle Atlantic Div	7.1	13.4
New York	BB	(1)
New Jersey	AA	(1)
Pennsylvania	AA	6.3
North Central Region	33.2	49.9
East North Central Div	FF	(D)
Ohio	17.9	(1)
Indiana	AA	1.4
Illinois	9.9	(1)
Wisconsin	3.4	(1)
PARTS, ATTACHMENTS FOR SMALL ELECTRIC HOUSEWARES (36344)--Con.		
South Region	EE	11.8
South Atlantic Div	CC	(D)
North Carolina	CC	(1)
South Carolina	AA	(1)
East South Central Div	7.7	(D)
Kentucky	AA	(1)
Tennessee	BB	(1)
Mississippi	BB	(1)
HOUSEHOLD VACUUM CLEANERS, INCLUDING PARTS AND ATTACHMENTS (36350)		
United States	254.5	183.1
Northeast Region	62.9	56.2
New England Div	GG	(D)
Massachusetts	EE	(1)
Connecticut	FF	(1)
Middle Atlantic Div	EE	(D)
New York	8.1	(1)
New Jersey	CC	(1)
North Central Region	172.4	120.8
East North Central Div	GG	(D)
Ohio	115.4	82.9
Illinois	FF	21.9
Michigan	BB	(1)
West North Central Div	FF	(D)
Minnesota	FF	(1)
South Region	EE	(D)
South Atlantic Div	EE	(D)
South Carolina	CC	(1)
Georgia	CC	(1)
West Region	CC	(D)
Pacific Div	CC	(D)
California	CC	5.3
HOUSEHOLD WATER HEATERS, ELECTRIC (36391)		
United States	63.4	61.4
Northeast Region	8.5	6.4
New England Div	BB	(D)
Massachusetts	BB	(1)
Middle Atlantic Div	CC	(D)
New York	1.0	2.3
Pennsylvania	BB	(1)
North Central Region	28.7	30.5
East North Central Div	28.7	(D)
Ohio	5.2	(1)
Illinois	EE	15.1
Michigan	BB	(1)
Wisconsin	CC	(1)
HOUSEHOLD WATER HEATERS, ELECTRIC (36391)--Con.		
South Region	17.6	15.6
East South Central Div	17.6	(D)
Tennessee	17.6	(1)
West Region	8.5	8.9
Pacific Div	8.5	8.9
Washington	AA	(1)
Oregon	BB	(1)
California	BB	(1)
HOUSEHOLD WATER HEATERS, EXCEPT ELECTRIC (36392)		
United States	130.1	142.2
Northeast Region	14.0	19.2
New England Div	1.3	1.8
Middle Atlantic Div	12.8	17.4
New York	BB	(1)
Pennsylvania	CC	11.2
North Central Region	GG	(D)
East North Central Div	61.3	73.0
Ohio	CC	7.6
Illinois	FF	51.2
Michigan	CC	(1)
Wisconsin	AA	(1)
South Region	FF	14.6
East South Central Div	FF	(D)
Tennessee	FF	(1)
West Region	31.9	(D)
Pacific Div	31.9	33.5
California	GG	(1)
OTHER HOUSEHOLD APPLIANCES AND PARTS (36393)		
United States	298.5	208.1
Northeast Region	29.5	23.6
New England Div	EE	11.3
Massachusetts	EE	(1)
Connecticut	BB	(1)
Middle Atlantic Div	EE	12.3
New York	5.3	(1)
New Jersey	EE	(D)
North Central Region	136.4	96.5
East North Central Div	GG	(D)
Ohio	52.5	44.6
Indiana	FF	(1)
Illinois	2.5	5.6
Michigan	CC	5.3
Wisconsin	FF	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments		Product class and geographic area	Value of shipments		Product class and geographic area	Value of shipments	
	1967	1963		1967	1963		1967	1963
OTHER HOUSEHOLD APPLIANCES AND PARTS (36393)--Con.			OTHER HOUSEHOLD APPLIANCES AND PARTS (36393)--Con.			OTHER HOUSEHOLD APPLIANCES AND PARTS (36393)--Con.		
North Central Region--Con.			South Region	GG	(D)	West Region	FF	(D)
			South Atlantic Div	BB	(D)	Mountain Div	BB	(D)
West North Central Div	EE	(D)	Maryland	BB	(1)	Utah	BB	(D)
Minnesota	EE	(1)	East South Central Div	GG	(D)	Pacific Div	FF	(D)
Iowa	BB	(D)	Kentucky	GG	(1)	California	23.7	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3631-	Household cooking equipment	632.1	625.9	624.3	555.5	536.7	433.1	360.1	399.4
36311	Electric household ranges and ovens and surface cooking unit equipment and parts (except small appliances)	340.8	332.1	324.9	294.7	282.1	203.7	164.1	132.2
36312	Household ovens, ranges, and parts, exc., electric	289.1	293.6	298.7	259.9	253.6	229.4	196.0	267.1
36310	Household cooking equipment, n.s.k.	2.1	0.3	0.7	0.8	1.1	-	-	-
3632-	Household refrigerators and freezers	987.6	973.5	960.5	896.1	831.8	729.2	745.4	622.2
36321	Household refrigerators including combination refrigerator freezers	841.0	805.6	796.2	742.5	687.9	551.2	573.1	521.6
36322	Home and farm freezers	142.8	167.4	163.8	152.8	143.1	-	-	-
36320	Household refrigerators and freezers, n.s.k.	3.6	0.5	0.5	0.8	0.8	178.0	172.4	100.6
3633-	Household laundry equipment	931.7	917.6	871.4	806.3	766.1	719.6	596.3	433.9
36331	Household mechanical washing machines, dryers, and washer-dryer combination	843.2	836.2	801.2	738.1	698.8	672.2	533.7	352.1
36332	Other household laundry equipment and parts	83.8	81.0	69.8	67.7	66.8	46.5	62.6	81.7
36330	Household laundry equipment, n.s.k.	4.7	0.4	0.4	0.5	0.5	0.9	-	-
3634-	Electric housewares and fans	1,073.2	1,068.3	1,001.5	872.3	810.0	543.8	563.9	(NA)
36341	Electric fans, except industrial type	123.6	99.0	97.9	115.6	102.1	77.1	88.4	48.7
36342	Electric razors and dry shavers	66.2	77.9	76.1	51.1	53.4	54.1	53.8	22.0
36343	Other small household electric appliances	799.7	763.8	700.7	612.1	562.6	336.2	307.7	(NA)
36344	Parts and attachments for small household electric appliances	62.3	111.5	113.1	83.4	81.5	55.9	110.9	40.7
36340	Electric housewares and fans, n.s.k.	21.5	16.1	13.7	10.1	10.4	20.6	3.1	6.6
36350	Household vacuum cleaners, including parts and attachments	254.5	233.9	221.2	193.5	183.1	155.6	138.8	145.4
36360	Sewing machines and parts, except cases and cabinets sold separately	116.8	115.2	113.9	105.6	104.7	97.7	107.5	97.2
3639-	Household appliances, n.e.c.	510.2	491.3	479.4	448.2	[2]415.7	351.7	268.6	(NA)
36391	Household water heaters, electric	63.4	65.6	66.0	66.8	61.4	56.8	48.2	59.4
36392	Household water heaters, except electric	130.1	131.6	141.1	142.1	142.2	163.8	138.4	113.7
36393	Other household appliances and parts	298.5	294.2	272.3	236.9	208.1	131.1	82.0	(NA)
36390	Household appliances, n.e.c., n.s.k.	18.2	-	-	2.4	2.9	-	-	(NA)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2] Excludes parts and accessories for electric water heaters.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3631.—HOUSEHOLD COOKING EQUIPMENT					
	Materials, parts, containers, and supplies, total	.....	(X)	268.3	(X)	235.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	277.5	44.4	244.9	40.3
331013	Plates	...do.....				
331015	Structural shapes	...do.....	5.5	1.8	0.3	(Z)
331017	Wire and wire products	...do.....			3.4	0.8
331019	All other carbon steel mill shapes and forms	...do.....	3.9	0.8	2.9	0.8
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....			3.7	
331029	All other alloy steel mill shapes and forms	...do.....	(NA)	4.4		4.8
331031	Stainless steel	...do.....			3.2	
	Copper and copper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content)	1.4	1.6	0.9	1.2
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....				
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(NA)	1.3	1.2	1.0
335127	Pipe and tube	...do.....				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	1.6	0.7	1.5	0.8
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	2.3	1.6	1.5	0.8
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	(NA)	0.2	0.1	0.1
333401	Aluminum and aluminum-base alloy refinery shapes	.....	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	7.9	3.3	7.4	3.2
336100	Aluminum and aluminum-base alloy	Million lbs.....	(D)	(D)	(D)	(D)
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	(D)	(D)	492.9	0.7
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	1,345.6	3.0	408.5	1.9
362120	Integral horsepower electric motors and generators (1 hp. and over)	...do.....	(D)	(D)	(NA)	(NA)
260091	Paper and paperboard containers	.....	(X)	10.7	(X)	4.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	177.4	(X)	147.2
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]	.....	(X)	17.1	(X)	27.4
	INDUSTRY 3632.--HOUSEHOLD REFRIGERATORS AND FREEZERS					
	Materials, parts, containers, and supplies, total	.....	(X)	932.9	(X)	648.6
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons	600.7	48.5	640.6	98.5
331017	Wire and wire products	...do.....	6.5	1.4	5.7	1.0
331011	Bar and bar shapes	...do.....				
331013	Plate	...do.....				
331015	Structural shapes	...do.....	97.4	19.4	26.2	6.7
331019	All other carbon steel mill shapes and forms	...do.....				
331020	Alloy steel (except stainless)	...do.....	5.0	2.9	4.3	3.6
331031	Stainless steel	...do.....				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....				
335790	Insulated wire and cable	Million lbs. (copper content)	5.3	5.2	2.8	2.0
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	...do.....				
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	27.9	25.5	16.8	12.7
335127	Pipe and tube	...do.....				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	Million lbs.....	36.6	13.2	29.8	11.7
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....			4.7	3.6
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	10.7	6.4	1.9	0.8

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3632.--HOUSEHOLD REFRIGERATORS AND FREEZERS--Con.					
	Materials, parts, containers, and supplies--Continued					
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	(D)	(D)	28.1	7.5
332300	Steel	.....	(D)	(D)	(D)	(D)
336100	Aluminum and aluminum-base alloy	Million lbs.	4.3	3.2	3.4	2.7
339100	Iron and steel forgings[1]	1,000 short tons.	(D)	(D)	(D)	(D)
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362210	Timing motors, synchronous and subsynchronous	1,000	1,381.8	4.4	1,102.5	4.5
362115	Fractional horsepower electric motors (excluding timing motors)	...do.	12,555.0	74.8	9,822.2	54.0
362120	Integral horsepower motors and generators (1 hp. and over)	...do.	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball	.....	(D)	(D)	X)	3.2
356228	Roller	.....	-	-	-	-
260091	Paper and paperboard containers	.....	(NA)	32.4	(NA)	17.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	596.7	(X)	387.6
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]	.....	(X)	49.1	(X)	30.9
	INDUSTRY 3633.--HOUSEHOLD LAUNDRY EQUIPMENT					
	Materials, parts, containers, and supplies, total	.....	(X)	538.7	(X)	396.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons.	449.9	75.0	397.9	60.5
331011	Bars and bar shapes	...do.	(NA)	18.9	23.9	5.2
331017	Wire and wire products	...do.			1.4	0.7
331019	All other carbon steel mill shapes and forms	...do.			6.5	1.9
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.	2.4	2.4	-	-
331029	All other alloy steel mill shapes and forms	...do.			-	-
331031	Stainless steel	...do.			1.2	1.4
	Cooper and cooper-base alloy:					
335790	Insulated wire and cable	Million lbs. (copper content).	4.6	3.7	1.5	1.2
335728	Bare wire (for electrical conduction)	Million lbs.	(D)	(D)	-	-
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	...do.	(NA)	1.2	(D)	(D)
335123	Plate, sheet, and strip (including military cups and discs)	...do.			-	-
335127	Pipe and tube	...do.			-	-
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.	6.0	2.1	2.0	1.0
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.				
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.				
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons.	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do.	46.9	12.0	34.2	10.7
336100	Aluminum and aluminum-base alloy	Million lbs.	5.4	3.3	10.5	6.2
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	4,335.5	20.1	1,590.3	4.3
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.	5,368.3	51.0	5,875.5	52.4
260091	Paper and paperboard containers	.....	(X)	15.0	(X)	11.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	293.6	(X)	230.4
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]	.....	(X)	43.7	(X)	8.7

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3634.--ELECTRIC HOUSEWARES AND FANS					
	Materials, components, parts, supplies, and containers, total		(X)	448.8	(X)	335.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	(NA)	2.1	7.2	2.0
331012	Sheet and strip	...do	119.2	24.6	102.2	17.5
331017	Wire and wire products	...do			1.7	0.6
331015	Structural shapes	...do	(NA)	3.4	-	-
331013	Plates	...do			5.3	2.6
331019	All other carbon steel mill shapes and forms	...do				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do			14.6	8.2
331029	All other alloy steel mill shapes and forms	...do	(NA)	11.0		
331031	Stainless steel	...do			2.0	2.5
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	6.8	5.2	3.9	3.0
335790	Insulated wire and cable	Million lbs. (copper content)	9.9	9.1	5.6	5.6
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(NA)	2.4	0.2	(Z)
335123	Plate, sheet, and strip (including military cups and discs)	...do			2.4	1.2
335127	Pipe and tube	...do	1.1	0.5	0.7	(Z)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	22.6	9.2	12.6	5.7
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	1.3	0.8	2.1	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	3.7	1.8	3.1	1.5
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons	8.9	3.9	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	(D)	(D)	0.6	(Z)
336100	Aluminum and aluminum-base alloy	1,000 lbs	19.6	10.7	7.8	5.9
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	6,224.7	16.8	238.1	2.3
362115	Other fractional horsepower electric motors (excluding timing motors)	...do			6,192.8	14.6
362120	Integral horsepower electric motors and generators (1 hp. and over)	...do	(D)	(D)	(X)	(X)
260091	Paper and paperboard containers		(X)	22.6	(X)	14.4
970099	All other materials and compnents, parts, containers, and supplies consumed		(X)	271.5	(X)	214.9
	Materials, components, containers, and supplies consumed, n.s.k.[2]		(X)	53.2	(X)	32.0
	INDUSTRY 3635.—HOUSEHOLD VACUUM CLEANERS					
	Materials, components, parts, supplies, and containers, total		(X)	105.9	(X)	59.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	1.3	0.3	1.1	0.2
331012	Sheet and strip	...do	27.2	5.0	16.7	3.2
331015	Structural shapes	...do	-	-	4.6	1.1
331017	Wire and wire products	...do	(NA)	0.3		
331019	All other carbon steel mill shapes and forms	...do	1.8	0.8		
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do				
331029	All other alloy steel mill shapes and forms	...do	(NA)	0.7	0.7	0.4
331031	Stainless steel	...do				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	1.9	1.7	1.3	0.7
335790	Insulated wire and cable	Million lbs (copper content)	(NA)	2.6	0.4	1.0
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(NA)	0.9	0.2	0.1
335123	Plate, sheet, and strip (including military cups and discs)	...do				
335127	Pipe and tube				-	-
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	Million lbs	0.7	0.3		
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	(NA)	2.2	2.6	1.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do				

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3635.--HOUSEHOLD VACUUM CLEANERS--Con.					
	Materials, components, parts, supplies, and containers, con.					
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons.	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	-	-	(D)	(D)
336100	Aluminum and aluminum-base alloy	Million lbs	7.1	6.4	2.0	1.0
	Electric motors and generators (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	1,000	(D)	(D)	377.0	1.9
362115	Other fractional horsepower electric motors (exclude timing motors)	...do	914.6	5.2		
362120	Integral horsepower electric motors and generators (1 hp. and over)	...do	(D)	(D)	(NA)	(NA)
260091	Paper and paperboard containers		(X)	6.4	(X)	3.1
970099	All other materials and components, parts, containers, and supplies consumed		(X)	67.9	(X)	42.5
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]		(X)	5.2	(X)	2.7
	INDUSTRY 3636.-SEWING MACHINES					
	Materials, components, parts, containers, and supplies, total		(X)	22.3	(X)	24.2
	Mill shapes and forms (except casting):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	(NA)		5.8	1.6
331012	Strip and sheet	...do	(NA)			
331013	Plates	...do	(NA)			
331015	Structural shapes	...do	(NA)		4.2	1.4
331017	Wire and wire products	...do	(NA)			
331019	All other carbon steel mill shapes and forms	...do	(NA)	2.0		
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	(NA)		0.2	0.1
331029	All other alloy steel mill shapes and forms	...do	(NA)			
331031	Stainless steel	...do	(NA)		-	-
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(D)	(D)	(D)	(D)
335123	Plate, sheet, and strip (including military cups and discs)	...do	-	-	(D)	(D)
335127	Pipe and tube	...do	-	-	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	(D)	(D)	(D)	(D)
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	-	-	(D)	(D)
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	(D)	(D)	(D)	(D)
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons.	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons.	(D)	(D)	2.3	1.4
336100	Aluminum and aluminum-base alloy	Million lbs	(D)	(D)	(D)	(D)
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous		(D)	(D)	-	-
362115	Other fractional horsepower electric motors (exclude timing motors)	1,000	(D)	(D)	218.3	1.2
260091	Paper and paperboard containers		-	-	(X)	(D)
970099	All other materials and components, parts, containers, and supplies consumed		(X)	15.0	(X)	13.8
976000	Materials, parts, containers, and supplies consumed, n.s.k.[2]		(X)	5.3	(X)	4.6

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3639.--HOUSEHOLD APPLIANCES, N.E.C.					
	Materials, parts, containers, and supplies, total	...	(X)	250.4	(X)	215.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	1.3	0.3	0.5	0.1
331012	Sheet and strip	...do	293.3	41.2	276.3	38.9
331013	Plates	...do	9.4	1.3	4.4	0.7
331015	Structural shapes	...do	20.0	6.3	16.2	5.4
331017	Wire and wire products	...do				
331019	All other carbon steel mill shapes and forms	...do				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	4.3	4.6	0.4	0.3
331029	All other alloy steel mill shapes and forms	...do				
331031	Stainless steel	...do			1.7	2.0
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.	(D)	(D)	0.3	0.2
335790	Insulated wire and cable	Million lbs. (copper content).	1.9	1.8	0.4	0.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.	3.5	3.2	0.9	0.6
335123	Plate, sheet, and strip (including military cups and discs)	...do			1.1	0.6
335127	Pipe and tube	...do			2.5	1.7
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	1.5	0.8	1.2	0.5
335205	Extruded shapes, including rod, bar, pipe, tube, etc.	...do	1.9	1.2	0.8	0.5
335209	All other aluminum mill shapes and forms (wire, rolled rod, and bar, powder, welded tubing, etc.)	...do			1.7	1.6
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons.	(D)	(D)	(NA)	(NA)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	8.8	4.6	6.1	3.3
336100	Aluminum and aluminum-base alloy	Million lbs.	4.5	2.6	3.6	2.6
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	2,023.3	4.9	533.7	2.1
362115	Other fractional horsepower electric motors (excluding timing motors)	...do	2,151.0	20.1	2,141,2	13.5
362120	Integral horsepower electric motors and generators (1 hp. and over)	...do	10.6	0.5	(X)	(X)
260091	Paper and paperboard containers	...do	(X)	9.8	(NA)	6.6
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	108.4	(X)	95.4
976000	Materials, supplies, components, etc.,n.s.k.[2]	...	(X)	38.8	(X)	39.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Excludes materials produced and consumed in the same establishment.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Household refrigerators and freezers (SIC 3632)
	Cost of purchased fuels and electric energy, total....	Million dollars..	14.8
	Cost of purchased fuels, total.....	...do.....	6.5
121005	Coal (anthracite, bituminous, and lignite):		
	Quantity.....	1,000 short tons.	285.8
	Cost.....	Million dollars..	2.0
	Fuel oil, total:		
	Quantity.....	1,000 barrels....	(1)
	Cost.....	Million dollars..	(1)
291141	Distillate:		
	Quantity.....	1,000 barrels....	(1)
	Cost.....	Million dollars..	(1)
291151	Residual:		
	Quantity.....	1,000 barrels....	(1)
	Cost.....	Million dollars..	(1)
131300	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):		
	Quantity.....	Million cu. ft...	6,567.6
	Cost.....	Million dollars..	3.3
960011	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	[1]0.9
	Fuels, n.s.k.....	...do.....	0.3
	Purchased electric energy:		
	Quantity.....	Million kw.-hrs..	837.3
	Cost.....	Million dollars..	8.3
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs..	(X)
	Total energy used for heat and power[2].....	Million kw.-hrs. equivalent.....	5,474.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The figures for fuel oil have been combined with code 960011, "Other fuels," to avoid disclosure of figures for individual companies.

[2]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3631	HOUSEHOLD COOKING EQUIPMENT										
	ENTIRE INDUSTRY	73	20.4	128.4	16.0	31.3	88.7	254.2	293.6	551.9	8.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	62	16.6	107.5	12.8	25.2	73.4	219.6	257.4	482.1	7.8
36311	ELECTRIC HOUSEHOLD RANGES, OVENS, AND PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	20	8.2	53.9	6.1	11.7	35.0	129.3	103.3	236.4	3.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36312	HOUSEHOLD OVENS, RANGES, AND PARTS, EXC. ELECTRIC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	34	12.0	73.9	9.7	19.4	53.4	124.0	189.1	313.3	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	22	6.3	38.9	4.9	10.1	26.9	70.5	104.3	176.7	3.4
3632	HOUSEHOLD REFRIGERATORS AND FREEZERS										
	ENTIRE INDUSTRY	36	53.0	377.8	43.9	84.5	290.2	796.9	1 029.4	1 791.9	37.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	27	16.0	102.0	13.5	25.7	79.0	263.7	326.2	580.8	8.5
36321	HOUSEHOLD REFRIGERATORS AND REFRIGERATOR-FREEZERS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	18	47.6	345.6	39.5	76.1	266.6	715.1	925.1	1 617.5	34.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36322	HOME AND FARM FREEZERS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3633	HOUSEHOLD LAUNDRY EQUIPMENT										
	ENTIRE INDUSTRY	35	22.2	154.2	17.8	33.7	113.8	408.4	562.3	982.5	31.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	27	15.9	113.9	13.1	24.6	85.9	337.4	456.8	799.8	19.2
36331	HOME MECHANICAL WASHERS, DRYERS, AND COMBINATION (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	16	20.6	144.3	16.6	31.1	106.7	391.6	538.5	941.7	20.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	14.9	107.8	12.2	23.0	81.3	325.0	438.2	768.9	18.5
36332	OTHER HOUSEHOLD LAUNDRY EQUIPMENT AND PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	12	1.3	8.3	1.0	2.1	5.8	14.5	20.8	35.3	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3634	ELECTRIC HOUSEWARES AND FANS										
	ENTIRE INDUSTRY	290	44.6	241.1	35.5	69.1	161.0	590.4	518.5	1 112.0	24.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	265	38.5	205.8	30.9	60.1	138.8	497.4	447.8	946.6	21.7
36341	ELECTRIC FANS, EXCEPT INDUSTRIAL TYPE (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	18	5.1	29.2	4.2	8.7	20.4	80.2	58.7	139.8	2.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	9	.7	3.9	.6	1.4	2.8	6.7	9.4	16.1	.2
36342	ELECTRIC RAZORS AND DRY SHAVERS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36343	OTHER SMALL HOUSEHOLD ELECTRIC APPLIANCES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	110	35.0	189.1	27.5	53.7	125.6	432.0	408.8	843.3	20.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	88	23.2	111.3	19.3	38.2	81.0	285.0	275.4	562.2	12.3
36344	PARTS, ATTACHMENTS FOR SMALL ELECTRIC HOUSEWARES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	13	1.2	5.6	1.1	2.0	4.2	9.8	8.3	18.2	.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3635	HOUSEHOLD VACUUM CLEANERS										
	ENTIRE INDUSTRY	34	9.2	58.8	7.1	13.2	39.6	181.4	116.5	293.2	6.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3636	SEWING MACHINES										
	ENTIRE INDUSTRY	86	6.4	49.3	4.9	9.7	34.7	94.1	31.2	123.6	5.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	85	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3639	HOUSEHOLD APPLIANCES, NEC										
	ENTIRE INDUSTRY	83	13.4	90.9	10.0	20.6	60.1	217.7	265.6	479.9	10.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	70	10.3	71.5	7.8	16.1	48.0	179.9	221.4	399.7	8.9
36391	HOUSEHOLD WATER HEATERS, ELECTRIC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	.6	3.1	.4	.8	1.9	6.9	13.1	19.7	.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	7	.2	1.2	.1	.2	.6	2.7	4.6	7.3	.1
36392	HOUSEHOLD WATER HEATERS, EXCEPT ELECTRIC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	24	5.9	40.3	4.4	9.1	26.8	75.7	120.4	192.8	4.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	13	1.5	10.9	1.1	2.2	6.9	20.9	26.3	46.7	2.0
36393	OTHER HOUSEHOLD APPLIANCES AND PARTS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	18	6.0	42.4	4.5	9.2	27.9	124.0	118.0	243.1	5.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	13	4.1	29.4	3.1	6.3	19.3	93.1	91.3	184.0	4.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

ELECTRIC LIGHTING AND WIRING EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3641--Electric Lamps
3642--Lighting Fixtures
3643--Current-Carrying Wiring Devices
3644--Noncurrent-Carrying Wiring Devices

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3641--ELECTRIC LAMPS

This industry comprises establishments primarily engaged in manufacturing electric bulbs, tubes, and related light sources. Important products of this industry include incandescent filament lamps, vapor and fluorescent lamps, photoflash and photoflood lamps, electrotherapeutic lamp units for ultra-violet and infrared radiation, and other electric light sources. Establishments primarily engaged in manufacturing glass blanks for bulbs are classified in industry 3229; and lamp components, such as supports, filaments, lead-in wire and cold cathode fluorescent lamp electrodes, in industry 3699. For a detailed list of products of industry 3641, refer to table 6A, product codes 3641008 to 3641063.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electric Lamps Industry in 1967 totaled $782 million. This included shipments of electric lamps (primary products), valued at $720 million, shipments of other products (secondary products) valued at $43 million, and miscellaneous receipts of $19 million.

This industry's shipments of electric lamps (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent.

Industry 3641 shipments of electric lamps (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $756 million shipped by all industries. In 1963, the coverage ratio was 96 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3641, these establishments accounted for 0.2 percent of payroll and 0.2 percent of value added by manufacture.

3642--LIGHTING FIXTURES

This industry comprises establishments primarily engaged in manufacturing lighting fixtures and equipment of any type, including electric and gas lighting fixtures; carbide, kerosene, and gasoline lamps; and metal reflectors and fittings. Establishments primarily engaged in producing glassware for lighting fixtures are classified in Major Group 32; and electric light bulbs, tubes, and related light sources in industry 3641. For a detailed list of products of industry 3642, refer to table 6A, product codes 3642111 to 3642761.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Lighting Fixtures Industry in 1967 totaled $1,594 million. This included shipments of lighting fixtures (primary products), valued at $1,420 million, shipments of other products (secondary products) valued at $107 million, and miscellaneous receipts (mainly resales) of $66 million.

This industry's shipments of lighting fixtures (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 93 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 28 percent of the total industry shipments are represented by plants specializing in product class 36422 commercial and institutional type electric fixtures; 18 percent in 36424 vehicular lighting equipment, electric; and 16 percent in 36421 residential type electric fixtures, except portable.

Industry 3642 shipments of lighting fixtures (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $1,512 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries shipping lighting fixtures (primary products) included industry 3644, Noncurrent-Carrying Wiring Devices, $31 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3642, these establishments accounted for 1.5 percent of payroll and 1.9 percent of value added by manufacture.

3643--CURRENT-CARRYING WIRING DEVICES

This industry comprises establishments primarily engaged in manufacturing current carrying wiring devices. Important products of this industry include attachment plugs and caps, convenience outlets, lamp sockets and receptacles, snap switches, conductor connectors, overhead trolley line material, rail bonds for both propulsion and signal circuits, lightning arrestors, and other lightning protective equipment. For a detailed list of products of industry 3643, refer to table 6A, product codes 3643001 to 3643098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Current-Carrying Wiring Devices Industry in 1967 totaled $837 million. This included shipments of current-carrying wiring devices (primary products), valued at $620 million, shipments of other products (secondary products) valued at $172 million, and miscellaneous receipts (mainly resales) of $46 million.

This industry's shipments of current-carrying wiring devices (primary products) in 1967 represented 78 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80 percent. Secondary products shipped by this industry in 1967 included switchgear and switchboard apparatus ($28 million) and noncurrent-carrying wiring devices ($25 million.)

Industry 3643 shipments of current-carrying wiring devices (primary products) in 1967 represented 78 percent (coverage ratio) of these products valued at $790 million shipped by all industries. In 1963, the coverage ratio was 83 percent. Other industries shipping current-carrying wiring devices (primary products) included industry 3644, Noncurrent-Carrying Wiring Devices, $52 million; and industry 3679, Electronic Components, N.E.C., $18 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3643, these establishments accounted for 0.7 percent of payroll and 1.0 percent of value added by manufacture.

3644--NONCURRENT-CARRYING WIRING DEVICES

This industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices. Important products of this industry include conduits and fittings; electrical insulators and insulation materials, except porcelain insulators (industry 3264) and glass insulators (industry 3229); outlet, switch and fuse boxes; and pole line hardware. For a detailed list of products of industry 3644, refer to table 6A, product codes 3644112 to 3644338.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Noncurrent-Carrying Wiring Devices Industry in 1967 totaled $638 million. This included shipments of noncurrent-carrying wiring devices (primary products), valued at $447 million, shipments of other products (secondary products) valued at $157 million, and miscellaneous receipts (mainly resales) of $34 million.

This industry's shipments of noncurrent-carrying wiring devices (primary products) in 1967 represented 74 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 77 percent. Secondary products shipped by this industry in 1967 consisted mainly of current-carrying wiring devices ($52 million), and lighting fixtures ($31 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3644 shipments of noncurrent-carrying wiring devices (primary products) in 1967 represented 82 percent (coverage ratio) of these products valued at $549 million shipped by all industries. In 1963, the coverage ratio was 80 percent. Other industries shipping noncurrent-carrying wiring devices (primary products) included industry 3643, Current-Carrying Wiring Devices,$25 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3644, these establishments accounted for 0.3 percent of payroll and 0.3 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See appendix Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3641.--ELECTRIC LAMPS														
1967 Census....	106	65	29.5	169.9	25.8	49.9	136.0	533.4	252.6	781.8	48.2	83.7	94	95
1966 ASM[1].....	(NA)	(NA)	27.7	160.1	24.3	48.2	129.4	494.8	250.2	742.0	24.1	81.7	NA	NA
1965 ASM[1].....	(NA)	(NA)	25.8	144.3	22.5	44.4	117.0	443.3	233.3	672.9	30.1	76.2	(NA)	NA
1964 ASM[1].....	(NA)	(NA)	24.2	131.6	21.0	41.3	105.1	407.7	209.5	615.4	18.1	69.6	NA	NA
1963 Census....	81	50	23.4	122.7	20.5	40.3	99.5	362.2	207.0	574.5	17.0	63.7	95	96
1962 ASM[1].....	(NA)	(NA)	22.6	116.3	18.8	38.8	92.6	367.1	184.9	544.9	12.7	68.8	NA	NA
1961 ASM[1].....	(NA)	(NA)	21.6	107.7	17.6	36.0	84.0	336.2	168.0	513.2	10.7	59.5	NA	NA
1960 ASM[1].....	(NA)	(NA)	23.9	114.1	19.7	39.5	89.9	355.7	169.2	517.4	10.5	69.1	NA	NA
1959 ASM[1].....	(NA)	(NA)	22.8	109.9	18.8	39.6	87.2	339.2	165.8	497.3	10.6	61.1	NA	NA
1958 Census[2]...	66	52	21.5	95.3	18.2	35.1	73.6	270.5	136.2	417.5	8.3	51.0	94	98
INDUSTRY 3642.--LIGHTING FIXTURES														
1967 Census....	1,213	524	64.6	388.0	50.0	98.8	252.6	828.6	769.3	1,593.6	32.7	246.5	93	94
1966 ASM[1].....	(NA)	(NA)	64.7	375.6	50.9	100.0	248.0	782.4	848.5	1,544.1	40.2	251.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	61.6	353.4	48.6	97.5	237.2	742.7	699.7	1,425.4	39.3	190.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	56.9	313.5	44.1	79.2	204.8	621.9	635.9	1,250.7	28.0	170.2	(NA)	(NA)
1963 Census....	1,239	480	53.9	288.1	42.1	83.3	193.5	587.8	578.1	1,159.5	23.1	157.1	93	93
1962 ASM[1].....	(NA)	(NA)	51.9	272.2	41.1	80.1	180.2	548.7	566.9	1,107.3	15.2	144.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	49.8	249.1	39.3	75.7	165.0	476.8	506.7	984.2	12.2	132.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	51.8	249.2	41.0	80.6	167.2	468.0	516.3	978.0	15.2	132.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	51.2	244.4	40.5	80.0	162.8	452.3	497.6	946.1	15.0	127.8	(NA)	(NA)
1958 Census[2]...	1,181	431	47.3	215.8	36.4	71.6	143.8	397.4	419.9	826.6	14.4	116.3	91	94
INDUSTRY 3643.--CURRENT-CARRYING WIRING DEVICES														
1967 Census....	375	185	40.1	234.4	30.5	60.1	151.3	507.4	330.0	837.0	29.8	162.5	78	78
1966 ASM[1].....	(NA)	(NA)	39.4	218.0	31.3	60.8	145.5	497.6	339.9	811.3	34.2	152.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	36.8	194.7	28.7	56.5	129.2	432.8	295.9	708.2	25.9	130.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	35.9	183.9	27.2	53.2	118.7	401.4	280.9	673.2	16.8	133.7	(NA)	(NA)
1963 Census....	449	180	35.4	175.2	27.2	53.5	115.1	355.6	257.2	616.0	14.1	99.5	80	83
1962 ASM[1].....	(NA)	(NA)	40.6	189.6	32.0	63.1	125.8	386.7	269.1	649.8	14.9	105.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	41.5	196.0	31.8	62.8	124.9	388.5	267.3	639.5	15.5	102.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	41.9	187.3	32.3	62.8	115.3	371.4	256.5	625.6	18.0	96.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	41.3	179.2	33.0	63.6	118.5	371.8	253.3	611.1	14.0	110.5	(NA)	(NA)
1958 Census[2]...	423	161	35.7	156.0	26.6	51.6	100.2	300.8	197.9	501.3	9.6	84.5	87	79
INDUSTRY 3644.--NONCURRENT-CARRYING WIRING DEVICES														
1967 Census....	174	105	\22.9	158.1	16.8	33.5	102.0	344.7	297.4	637.9	20.2	134.6	74	82
1966 ASM[1].....	(NA)	(NA)	24.3	170.6	18.1	37.2	114.0	360.3	311.5	673.9	*20.9	139.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	21.5	143.2	16.0	33.2	95.8	326.2	285.8	591.8	15.7	136.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	20.6	132.1	15.4	31.4	87.5	291.0	240.6	520.2	10.3	110.5	(NA)	(NA)
1963 Census....	182	103	20.3	123.6	14.8	29.7	79.6	253.9	226.5	479.0	7.9	101.5	77	80
1962 ASM[1].....	(NA)	(NA)	23.0	135.0	15.9	32.9	86.1	255.9	229.2	487.3	11.1	99.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	23.2	134.1	15.9	33.1	85.9	257.5	224.6	472.8	12.9	102.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	22.4	122.0	15.3	31.3	79.1	246.8	193.5	430.8	10.7	89.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	23.2	126.3	16.1	34.4	84.0	264.7	213.3	469.8	10.1	83.6	(NA)	(NA)
1958 Census[2]...	150	93	19.7	101.4	14.6	28.7	67.8	214.6	193.0	413.8	10.0	80.9	78	89

Note: In 1967, 1963, and 1958, the number of companies in industry 3641 was 72, 54, and 35, respectively; in industry 3642: 1,148, 1,203, and 1,154; industry 3643: 351, 431, and 405; industry 3644: 158, 168, and 138.

The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3641.--ELECTRIC LAMPS								
1967 Census	5,759	87	1,934	2.73	.32	.54	18,081	32	10.69
1966 ASM	5,774	88	1,985	2.69	.34	.55	17,847	32	10.27
1965 ASM	5,596	87	1,976	2.64	.35	.56	17,188	33	9.98
1964 ASM	5,438	87	1,966	2.55	.34	.55	16,847	32	9.88
1963 Census	5,244	87	1,967	2.47	.36	.57	15,477	34	9.00
1962 ASM	5,153	83	2,062	2.39	.34	.55	16,256	32	9.46
1961 ASM	4,992	82	2,045	2.34	.33	.54	15,586	32	9.34
1960 ASM	4,769	82	2,002	2.28	.33	.55	14,870	32	9.02
1959 ASM	4,808	82	2,109	2.20	.33	.55	14,844	32	8.56
1958 Census	4,433	85	1,926	2.10	.33	.55	12,584	35	7,70
	INDUSTRY 3642.--LIGHTING FIXTURES								
1967 Census	6,006	77	1,976	2.56	.48	.73	12,827	47	8.39
1966 ASM	5,806	79	1,965	2.48	.55	.79	12,093	48	7.82
1965 ASM	5,735	79	2,008	2.43	.49	.74	12,053	48	7.61
1964 ASM	5,512	77	1,797	2.59	.51	.76	10,933	50	7.85
1963 Census	5,349	78	1,981	2.32	.50	.75	10,913	49	7.06
1962 ASM	5,243	79	1,949	2.25	.51	.76	10,570	50	6.85
1961 ASM	5,005	79	1,926	2.18	.51	.77	9,580	52	6.30
1960 ASM	4,814	79	1,968	2.07	.53	.78	9,039	53	5.80
1959 ASM	4,776	79	1,976	2.04	.53	.78	8,837	54	5.65
1958 Census	4,562	77	1,965	2.01	.51	.77	8,400	54	5.55
	INDUSTRY 3643.--CURRENT-CARRYING WIRING DEVICES								
1967 Census	5,845	76	1,970	2.52	.39	.67	12,653	46	8.44
1966 ASM	5,528	79	1,943	2.39	.42	.69	12,617	44	8.18
1965 ASM	5,293	78	1,970	2.29	.42	.69	11,764	45	7.66
1964 ASM	5,127	76	1,955	2.23	.42	.69	11,192	46	7.54
1963 Census	4,945	77	1,963	2.15	.42	.70	10,040	49	6.65
1962 ASM	4,666	79	1,969	2.00	.41	.71	9,518	49	6.13
1961 ASM	4,719	77	1,974	1.99	.42	.72	9,353	50	6.18
1960 ASM	4,465	77	1,946	1.84	.41	.71	8,856	50	5.92
1959 ASM	4,335	80	1,928	1.86	.41	.71	8,993	48	5.85
1958 Census	4,370	74	1,944	1.94	.39	.71	8,429	52	5.83
	INDUSTRY 3644.--NONCURRENT-CARRYING WIRING DEVICES								
1967 Census	6,904	73	1,994	3.04	.47	.71	15,052	46	10.29
1966 ASM	7,032	75	2,056	3.06	.46	.72	14,851	47	9.68
1965 ASM	6,664	74	2,079	2.89	.48	.72	15,174	44	9.83
1964 ASM	6,402	75	2,039	2.79	.46	.72	14,104	45	9.27
1963 Census	6,090	73	2,012	2.68	.47	.73	12,514	49	8.55
1962 ASM	5,864	69	2,070	2.62	.47	.75	11,118	53	7.78
1961 ASM	5,778	69	2,076	2.60	.48	.76	11,096	52	7.79
1960 ASM	5,456	68	2,046	2.53	.45	.73	11,042	49	7.89
1959 ASM	5,450	69	2,144	2.44	.45	.72	11,427	48	7.69
1958 Census	5,141	74	1,972	2.36	.47	.71	10,882	47	7.47

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3641-- ELECTRIC LAMPS													
UNITED STATES	106	65	29.5	169.9	25.8	49.9	136.0	533.4	252.6	781.8	48.2	23.4	362.2
NORTHEAST REGION	50	29	12.7	77.8	10.6	21.3	57.9	208.2	96.0	300.9	10.5	[2](D)	[2](D)
NEW ENGLAND DIVISION	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW HAMPSHIRE	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	42	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.5	105.4
NEW YORK	13	5	.8	4.0	.6	1.1	2.5	6.8	8.6	15.2	1.8	.5	4.1
NEW JERSEY	17	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.4	67.8
PENNSYLVANIA	12	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	33.5
NORTH CENTRAL REGION	32	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	27	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	11	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	11	6	1.7	9.0	1.5	2.8	7.4	24.2	15.6	39.6	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	16	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	10	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	42.0
KENTUCKY	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)	[2](D)
WEST REGION	8	4	.2	1.1	.2	.4	.9	2.4	.6	3.0	.1	(D)	(D)
PACIFIC DIVISION	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3642-- LIGHTING FIXTURES													
UNITED STATES	1 213	524	64.6	388.0	50.0	98.8	252.6	828.6	769.3	1 593.6	32.7	53.9	587.8
NORTHEAST REGION	556	250	24.7	137.9	19.4	37.9	89.8	286.6	280.8	563.7	10.2	21.5	212.6
NEW ENGLAND DIVISION	79	37	4.3	24.3	3.4	6.7	16.1	50.5	47.3	98.7	3.4	3.9	35.2
VERMONT	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	44	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	23.0
RHODE ISLAND	6	4	.2	1.0	.2	.4	.6	1.4	1.7	3.2	(Z)	(D)	(D)
CONNECTICUT	26	11	1.0	6.1	.8	1.6	4.1	12.3	11.8	24.6	.3	.9	6.7
MIDDLE ATLANTIC DIVISION	477	213	20.4	113.6	16.1	31.1	73.7	236.0	233.5	465.0	6.8	17.6	177.4
NEW YORK	294	102	8.7	50.6	6.8	12.9	31.9	102.2	94.7	195.6	3.3	7.7	77.3
NEW JERSEY	94	53	5.5	30.8	4.1	8.2	19.7	63.3	64.3	124.1	1.1	3.9	46.1
PENNSYLVANIA	89	58	6.3	32.2	5.1	10.0	22.1	70.5	74.5	145.3	2.3	6.0	54.0
NORTH CENTRAL REGION	277	138	22.2	149.9	17.2	34.5	99.4	299.7	256.7	558.1	11.8	20.7	231.2
EAST NORTH CENTRAL DIVISION	234	119	20.2	137.6	15.7	31.5	91.9	275.3	234.8	511.8	(D)	18.9	212.9
OHIO	52	30	5.5	36.2	4.2	8.4	24.3	74.3	76.4	152.4	3.3	5.2	58.3
INDIANA	17	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	128	68	6.8	39.8	5.3	10.6	24.6	74.9	75.2	150.1	(D)	6.6	63.1
MICHIGAN	21	7	1.0	5.8	.8	1.6	4.1	10.3	11.1	21.8	(D)	1.1	11.2
WISCONSIN	16	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	43	19	2.0	12.3	1.5	3.0	7.5	24.3	21.9	46.3	(D)	1.8	18.3
MINNESOTA	7	3	.2	1.7	.2	.4	1.1	4.6	3.3	7.9	(D)	.1	2.1
MISSOURI	26	14	1.7	10.3	1.2	2.5	6.1	19.0	17.8	37.0	(D)	1.6	15.5
SOUTH REGION	128	49	9.9	52.2	7.5	15.1	33.1	143.1	145.7	289.1	6.6	5.4	75.5
SOUTH ATLANTIC DIVISION	60	25	4.9	28.1	3.6	7.5	17.1	74.7	74.4	150.2	4.5	2.5	36.8
WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	25	8	.7	3.3	.6	1.1	2.4	7.8	5.0	12.8	.2	.3	2.0
EAST SOUTH CENTRAL DIVISION	22	13	3.7	17.0	2.9	5.8	11.9	50.9	55.0	105.4	1.5	2.1	27.6
KENTUCKY	8	5	1.1	5.2	.8	1.5	3.3	17.0	14.2	30.5	(D)	[2](D)	[2](D)
TENNESSEE	6	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	46	11	1.3	7.1	.9	1.8	4.1	17.6	16.3	33.5	.6	.8	11.0
ARKANSAS	7	2	.3	1.7	.3	.6	1.2	5.2	3.4	7.9	(Z)	[2](D)	[2](D)
TEXAS	30	9	.9	5.3	.6	1.2	2.7	12.1	12.6	25.0	.6	.5	7.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3642-- LIGHTING FIXTURES--CON.													
WEST REGION	252	87	7.8	48.0	5.9	11.3	30.4	99.2	86.1	182.7	4.1	6.3	68.5
MOUNTAIN DIVISION	13	3	.4	2.3	.3	.5	1.4	5.5	4.4	9.6	(D)	.2	2.0
COLORADO	6	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	239	84	7.4	45.7	5.6	10.7	29.0	93.7	81.6	173.1	(D)	6.1	66.5
WASHINGTON	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	223	80	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.5	61.0
3643-- CURRENT-CARRYING WIRING DEVICES													
UNITED STATES	375	185	40.1	234.4	30.5	60.1	151.3	507.4	330.0	837.0	29.8	35.4	355.6
NORTHEAST REGION	181	96	26.0	149.6	20.3	39.8	99.7	318.5	227.4	546.4	17.9	24.1	228.2
NEW ENGLAND DIVISION	61	38	13.5	79.7	10.4	20.5	54.9	173.2	118.6	291.6	10.9	12.3	116.5
MASSACHUSETTS	28	18	5.0	28.1	3.6	7.2	18.5	67.8	56.3	124.2	6.5	3.0	28.7
RHODE ISLAND[e]	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	26	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.7	38.8
MIDDLE ATLANTIC DIVISION	120	58	12.5	69.8	9.9	19.3	44.8	145.4	108.9	254.8	7.0	11.8	111.7
NEW YORK[e]	63	34	7.2	37.7	5.7	10.8	24.8	65.7	57.8	122.8	3.8	7.0	53.9
NEW JERSEY	33	13	2.7	16.2	2.1	4.3	9.3	30.6	24.2	55.1	.9	2.5	21.4
PENNSYLVANIA	24	11	2.6	16.0	2.1	4.2	10.7	49.0	26.9	76.8	2.3	2.3	36.4
NORTH CENTRAL REGION	111	59	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.6	104.8
EAST NORTH CENTRAL DIVISION	93	50	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.3	86.1
OHIO	27	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	17	12	1.8	9.5	1.3	2.6	6.2	20.5	14.1	34.5	1.0	[2](D)	[2](D)
ILLINOIS	33	17	5.4	32.5	3.7	7.3	18.4	77.2	28.2	104.2	4.1	4.9	54.5
MICHIGAN	10	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.1
WEST NORTH CENTRAL DIVISION	18	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	18.7
MISSOURI	10	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	9.7
SOUTH REGION	37	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	9.1
SOUTH ATLANTIC DIVISION	21	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	10	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	11	6	.5	2.2	.4	.8	1.5	4.1	2.0	6.0	.3	(D)	(D)
TEXAS	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	.3
WEST REGION	46	15	1.5	9.3	1.2	2.4	6.0	17.2	9.3	26.1	1.0	1.2	13.5
PACIFIC DIVISION	41	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	40	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	13.1
3644-- NONCURRENT-CARRYING WIRING DEVICES													
UNITED STATES	174	105	22.9	158.1	16.8	33.5	102.0	344.7	297.4	637.9	20.2	20.3	253.9
NORTHEAST REGION	66	38	9.6	65.9	6.9	14.1	41.5	147.8	99.1	244.6	8.6	[2](D)	[2](D)
NEW ENGLAND DIVISION	13	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	8	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	11.3
MIDDLE ATLANTIC DIVISION	53	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.3	104.6
NEW YORK	25	13	4.4	30.4	3.0	6.0	18.4	65.1	39.0	102.9	3.6	3.8	44.2
NEW JERSEY	9	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	21.2
PENNSYLVANIA	19	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.2	39.2
NORTH CENTRAL REGION	53	37	9.4	67.2	6.8	13.6	42.6	133.9	124.9	258.0	7.4	(D)	(D)
EAST NORTH CENTRAL DIVISION	44	30	7.5	53.1	5.5	11.0	34.1	106.3	99.9	204.5	6.5	(D)	(D)
OHIO	11	9	2.1	15.8	1.4	2.8	9.3	24.9	19.1	44.4	.8	1.8	23.7
INDIANA	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	18	12	4.1	29.5	3.0	6.1	18.9	65.7	58.8	122.3	3.7	[2](D)	[2](D)
MICHIGAN	8	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN[e]	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	9	7	1.9	14.2	1.3	2.6	8.5	27.6	25.0	53.5	.9	(D)	(D)
MINNESOTA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	27	16	2.6	15.2	2.0	3.7	10.8	39.6	54.9	93.1	3.1	(D)	(D)
SOUTH ATLANTIC DIVISION	10	6	1.3	8.0	1.0	1.9	5.7	19.5	33.3	53.5	.6	(D)	(D)
WEST VIRGINIA	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3644-- NONCURRENT-CARRYING WIRING DEVICES--CON.													
SOUTH REGION--CON.													
EAST SOUTH CENTRAL DIVISION	12	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.9
MISSISSIPPI	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	28	14	1.4	9.8	1.1	2.1	7.1	23.4	18.6	42.1	1.1	(D)	(D)
PACIFIC DIVISION	26	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3	18.6
CALIFORNIA	26	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under $50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Electric lamps (SIC 3641)	Lighting fixtures (SIC 3642)	Current-carrying wire devices (SIC 3643)	Noncurrent-carrying wiring devices (SIC 3644)
PRIMARY PRODUCT SPECIALIZATION RATIO[1] . . . . PERCENT	.94	.93	.78	.74
COVERAGE RATIO[2] . . . . . .DO	.95	.94	.78	.82
ESTABLISHMENTS, TOTAL . . . . . .NUMBER	106	1 213	375	174
WITH 1 TO 19 EMPLOYEES . . . . . .DO	41	689	190	69
WITH 20 TO 99 EMPLOYEES . . . . . .DO	17	373	113	58
WITH 100 EMPLOYEES OR MORE . . . . . .DO	48	151	72	47
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	29.5	64.6	40.1	22.9
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	169.9	388.0	234.4	158.1
PRODUCTION WORKERS:				
AVERAGE FOR YEAR 1,000	25.8	50.0	30.5	16.8
MARCH . . . . . .DO	25.4	49.4	30.4	16.8
MAY . . . . . .DO	25.5	48.6	31.2	17.1
AUGUST . . . . . .DO	25.8	50.6	30.1	16.7
NOVEMBER . . . . . .DO	26.3	51.1	30.6	16.3
MAN-HOURS . . . . . .MILLIONS	49.9	98.8	60.1	33.5
JANUARY-MARCH . . . . . .DO	12.6	24.6	15.5	8.6
APRIL-JUNE . . . . . .DO	12.6	24.2	15.5	8.8
JULY-SEPTEMBER . . . . . .DO	11.4	24.5	13.8	8.2
OCTOBER-DECEMBER . . . . . .DO	13.3	25.4	15.4	8.1
WAGES . . . . . MILLION DOLLARS	136.0	252.6	151.3	102.0
COST OF MATERIALS, ETC., TOTAL . . . . . .DO	252.6	769.3	330.0	297.4
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . .DO	227.8	717.1	285.1	265.7
COST OF RESALES . . . . . .DO	(D)	29.7	27.5	23.9
FUELS CONSUMED . . . . . .DO	2.7	5.2	1.4	3.1
PURCHASED ELECTRIC ENERGY . . . . . .DO	3.8	7.2	4.1	3.4
CONTRACT WORK . . . . . .DO	(D)	10.1	12.0	1.3
VALUE OF SHIPMENTS, INCLUDING RESALES . . . . .DO	781.8	1 593.6	837.0	637.9
VALUE OF RESALES . . . . . .DO	(D)	59.4	36.5	27.9
VALUE ADDED BY MANUFACTURE . . . . . .DO	533.4	828.6	507.4	344.7
MANUFACTURERS' INVENTORIES:				
BEGINNING OF YEAR, TOTAL . . . . . .DO	79.2	240.8	160.5	129.8
FINISHED PRODUCTS . . . . . .DO	57.5	74.1	56.4	55.4
WORK IN PROCESS . . . . . .DO	2.3	72.7	47.1	34.5
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	19.5	94.0	56.9	39.9
END OF YEAR, TOTAL . . . . . .DO	83.7	246.5	162.5	134.6
FINISHED PRODUCTS . . . . . .DO	60.9	77.2	54.9	57.3
WORK IN PROCESS . . . . . .DO	3.1	73.9	49.0	36.5
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	19.8	95.4	58.6	40.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . .DO	49.1	34.2	30.6	21.0
NEW PLANT AND EQUIPMENT, TOTAL . . . . . .DO	48.2	32.7	29.8	20.2
NEW STRUCTURES AND ADDITIONS TO PLANT . . . .DO	11.1	8.6	7.8	6.8
NEW MACHINERY AND EQUIPMENT . . . . . .DO	37.1	24.1	22.2	13.4
USED PLANT AND EQUIPMENT . . . . . .DO	0.9	1.2	.6	0.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3641-- ELECTRIC LAMPS											
ESTABLISHMENTS, TOTAL	106	29.5	169.9	25.8	49.9	136.0	533.4	252.6	781.8	48.2	83.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	25	(Z)	.2	(Z)	.1	.2	.6	.3	.9	25.0	.1
5 TO 9 EMPLOYEES[e]	12	.1	.4	.1	.1	.4	1.1	.5	1.6	(D)	.2
10 TO 19 EMPLOYEES	4	.1	.4	(Z)	.1	.3	.6	.6	1.2	(D)	.1
20 TO 49 EMPLOYEES	12	.4	1.9	.3	.6	1.5	4.2	2.3	6.5	(D)	.5
50 TO 99 EMPLOYEES	5	.3	1.6	.3	.6	1.3	4.6	6.1	10.5	(D)	1.7
100 TO 249 EMPLOYEES	10	1.6	7.4	1.3	2.7	5.5	27.5	20.2	48.1	(D)	5.2
250 TO 499 EMPLOYEES	16	5.7	32.2	4.9	9.3	25.0	95.1	60.7	155.5	(D)	13.9
500 TO 999 EMPLOYEES	16	11.4	62.3	10.3	19.5	52.1	224.1	104.5	325.4	13.6	28.8
1,000 TO 2,499 EMPLOYEES	5	9.9	63.3	8.5	16.9	49.9	175.6	57.3	232.1	9.6	33.3
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	31	.1	.4	.1	.1	.4	1.1	.6	1.7	(Z)	.2
3642-- LIGHTING FIXTURES											
ESTABLISHMENTS, TOTAL	1 213	64.6	388.0	50.0	98.8	252.6	828.6	769.3	1 593.6	32.7	246.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	395	.7	3.7	.7	1.0	2.5	10.1	10.2	20.3	.2	2.7
5 TO 9 EMPLOYEES[e]	134	.9	5.2	.8	1.4	3.5	12.9	12.2	25.1	.4	3.3
10 TO 19 EMPLOYEES	160	2.2	12.5	1.7	3.3	8.1	27.7	28.3	55.6	.7	6.3
20 TO 49 EMPLOYEES	243	7.9	43.6	6.2	12.0	27.9	92.8	97.4	189.1	2.0	22.6
50 TO 99 EMPLOYEES	130	9.3	51.9	7.2	14.1	31.6	107.5	111.6	217.3	3.7	34.6
100 TO 249 EMPLOYEES	97	14.7	84.5	11.2	22.1	53.5	180.5	180.0	357.3	6.1	62.2
250 TO 499 EMPLOYEES	35	11.4	68.6	8.6	17.2	43.4	137.5	118.9	256.7	6.7	44.2
500 TO 999 EMPLOYEES	16	17.5	118.0	13.5	27.7	82.2	259.7	210.6	472.2	13.0	70.6
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	427	1.1	5.7	1.1	1.6	3.9	15.0	15.1	30.0	.4	4.2
3643-- CURRENT-CARRYING WIRING DEVICES											
ESTABLISHMENTS, TOTAL	375	40.1	234.4	30.5	60.1	151.3	507.4	330.0	837.0	29.8	162.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	98	.2	1.0	.2	.3	.7	3.7	2.8	6.5	(Z)	.8
5 TO 9 EMPLOYEES[e]	42	.3	1.5	.3	.4	1.0	4.0	3.4	7.3	.2	1.2
10 TO 19 EMPLOYEES	50	.7	3.9	.5	1.1	2.3	8.2	6.7	14.8	1.7	1.8
20 TO 49 EMPLOYEES	71	2.3	11.7	1.8	3.5	7.4	27.0	21.9	48.1	1.3	7.6
50 TO 99 EMPLOYEES	42	3.2	18.9	2.5	5.1	12.3	39.8	33.4	74.2	1.9	11.0
100 TO 249 EMPLOYEES	37	5.8	31.8	4.5	9.0	21.0	69.9	42.2	111.6	4.3	18.3
250 TO 499 EMPLOYEES	19	6.9	42.8	5.3	10.5	26.3	86.2	55.3	141.5	5.8	36.3
500 TO 999 EMPLOYEES	8	5.8	40.4	4.2	8.1	24.2	103.3	66.1	170.1	3.0	32.3
1,000 TO 2,499 EMPLOYEES	7	14.9	82.3	11.3	22.2	56.2	165.4	98.4	263.0	11.6	53.1
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	115	.4	1.7	.3	.5	1.1	4.6	3.3	8.0	.1	1.3
3644-- NONCURRENT-CARRYING WIRING DEVICES											
ESTABLISHMENTS, TOTAL	174	22.9	158.1	16.8	33.5	102.0	344.7	297.4	637.9	20.2	134.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	30	.1	.5	.1	.1	.3	1.4	.8	2.2	(Z)	.3
5 TO 9 EMPLOYEES[e]	19	.1	.8	.1	.2	.5	1.9	2.4	4.4	.1	.7
10 TO 19 EMPLOYEES	20	.3	1.9	.2	.4	1.1	3.9	4.0	7.9	(Z)	1.1
20 TO 49 EMPLOYEES	25	.7	4.5	.6	1.2	3.3	8.8	7.3	15.5	1.3	3.0
50 TO 99 EMPLOYEES	33	2.4	14.5	1.9	3.9	10.2	35.8	32.9	68.0	1.0	13.3
100 TO 249 EMPLOYEES	19	3.0	21.0	2.3	4.7	14.7	47.2	59.0	107.0	3.1	19.6
250 TO 499 EMPLOYEES	18	6.1	41.3	4.6	8.7	28.0	89.2	83.4	169.1	4.4	32.2
500 TO 999 EMPLOYEES	6	4.1	28.4	3.1	6.3	17.9	52.4	57.8	110.4	2.8	23.4
1,000 TO 2,499 EMPLOYEES	4	6.1	45.3	3.9	8.0	26.1	104.0	49.8	153.4	7.5	41.0
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	29	.1	.5	.1	.1	.3	1.0	.9	1.9	(Z)	.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard note: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3641	Electric lamps.....1967..	781.8	720.3	42.9	18.6	94	756.4	720.3	36.1	95
	1963..	574.5	522.7	30.0	21.8	95	545.9	522.7	23.3	96
3642	Lighting fixtures.....1967..	1,593.6	1,419.9	107.4	66.3	93	1,511.9	1,419.9	92.0	94
	1963..	1,159.5	1,039.2	83.8	36.4	93	1,116.1	1,039.2	76.9	93
3643	Current-carrying wiring devices.....1967..	837.0	619.7	171.6	45.8	78	789.8	619.7	170.1	78
	1963..	616.0	464.2	116.6	35.2	80	561.8	464.2	97.7	83
3644	Noncurrent-carrying wiring devices.....1967..	637.9	447.4	156.8	33.7	74	548.6	447.4	101.2	82
	1963..	479.0	352.0	103.2	23.8	77	439.3	352.0	87.3	80

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Products code	Class of products industry and miscellaneous receipts	All industries	Electric lamps (SIC 3641)	Lighting fixtures (SIC 3642)	Current-carrying wiring devices (SIC 3643)	Noncurrent-carrying wiring devices (SIC 3644)	Other industries
	Total shipments and miscellaneous receipts	(X)	781.8	1 593.6	837.1	637.9	(X)
36410	Electric lamps (bulbs only), including sealed beam lamps	756.4	720.3	(10-20)	(under 2)	-	(10-20)
3642-	Lighting fixtures	1,511.9	(under 2)	1,419.9	(2-5)	30.8	56.2
36421	Residental type electric fixtures, except portable	190.5	-	187.4	(under 2)	-	(over 2)
36422	Commercial and institutional type electric fixtures	385.4	-	383.3	-	(under 2)	(under 2)
36423	Industrial type electric fixtures	120.6	-	105.5	(under 2)	(over 2)	(2-5)
36424	Vehicular lighting equipment, electric	226.1	-	221.0	-	-	5.1
36425	Outdoor lighting equipment	199.2	(under 2)	161.4	(under 2)	(10-20)	(10-20)
36426	Other electric and nonelectric lighting equipment (including hand portable equipment) and parts and accessories	122.6	(under 2)	95.6	(under 2)	-	25.0
36427	Residential type electric fixtures (portable)	176.4	-	175.0	(under 2)	-	(under 2)
36420	Lighting fixtures, n.s.k	91.0	-	90.8	(under 2)	(under 2)	-
36430	Current-carrying wiring devices, including lightning rods	789.8	-	5.6	619.7	51.7	112.8
3644-	Noncurrent-carrying wiring devices	548.6	-	(under 2)	24.8	447.4	(over 2)
36441	Pole line and transmission hardware	130.2	-	(under 2)	10.3	100.6	(over 2)
36442	Electrical conduit and conduit fittings	306.9	-	(under 2)	9.7	244.2	(over 2)
36443	Other noncurrent-carrying wiring devices and supplies	98.6	-	(under 2)	4.5	90.4	(over 2)
36440	Noncurrent-carrying wiring devices, n.s.k	12.8	-	(under 2)	0.4	12.2	(over 2)
	Other product shipments by 4-digit product group						
2514	Metal household furniture	(X)	-	(2-5)	-	-	(X)
3079	Miscellaneous plastics products	(X)	-	(under 2)	6.0	-	(X)
3231	Products of purchased glass	(X)	-	(over 2)	-	-	(X)
3317	Steel pipe and tubes	(X)	-	-	-	7.8	(X)
3356	Rolled and drawn nonferrous metals, n.e.c	(X)	-	-	(over 2)	-	(X)
3357	Nonferrous wiredrawing and insulating products	(X)	-	(Z)	(2-5)	(under 2)	(X)
3423	Hand and edge tools	(X)	-	(Z)	(under 2)	(5-10)	(X)
3449	Miscellaneous metalwork	(X)	-	(under 2)	(under 2)	(over 2)	(X)
3452	Bolts, nuts, rivets, and washers	(X)	-	(under 2)	(2-5)	-	(X)
3461	Metal stampings	(X)	-	5.8	(under 2)	(under 2)	(X)
3494	Valves and pipe fittings	(X)	-	-	-	(over 2)	(X)
3499	Fabricated metal products, n.e.c	(X)	-	(under 2)	(over 2)	(under 2)	(X)
3542	Machine tools, metal-forming types	(X)	-	-	(under 2)	(over 2)	(X)
3559	Special industry machinery, n.e.c	(X)	(over 2)	-	(under 2)	-	(X)
3564	Blowers and fans	(X)	-	(over 2)	-	-	(X)
3599	Miscellaneous machinery, except electrical	(X)	-	(Z)	(under 2)	(over 2)	(X)
3612	Transformers	(X)	-	(under 2)	-	(over 2)	(X)
3613	Switchgear and switchboard apparatus	(X)	-	(2-5)	28.3	15.6	(X)
3622	Industrial controls	(X)	-	(under 2)	(10-20)	(2-5)	(X)
3623	Welding apparatus	(X)	-	-	(over 2)	-	(X)
3629	Electrical industrial apparatus, n.e.c	(X)	-	7.2	(under 2)	-	(X)
3631	Household cooking equipment	(X)	-	(2-5)	-	-	(X)
3634	Electric housewares and fans	(X)	-	(2-5)	(under 2)	-	(X)
3662	Radio and TV communication equipment	(X)	-	(under 2)	(under 2)	(2-5)	(X)
3679	Electronic components, n.e.c	(X)	-	(over 2)	(5-10)	(under 2)	(X)
3699	Electrical equipment, n.e.c	(X)	(20-50)	(Z)	(10-20)	(under 2)	(X)
3714	Motor vehicle parts and accessories	(X)	-	(5-10)	-	(under 2)	(X)
	Other secondary products	(X)	42.9	88.8	112.5	50.9	(X)
	Miscellaneous receipts	(X)	18.6	66.3	45.8	33.7	(X)
	Contract work	(X)	-	2.8	1.9	2.1	(X)
	Resales	(X)	(D)	59.4	36.5	27.9	(X)
	Scrap and refuge	(X)	(X)	1.7	5.5	2.7	(X)
	Receipts for research and development work	(X)	(X)	(X)	0.2	0.1	(X)
	Other miscellaneous receipts	(X)	(D)	2.4	1.7	1.1	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Products code	Class of products industry and miscellaneous receipts	All industries	Electric lamps (SIC 3641)	Lighting fixtures (SIC 3642)	Current-carrying wiring devices (SIC 3643)	Noncurrent-carrying wiring devices (SIC 3644)	Other industries
	Listing of the other industries with over $2 million shipments of the primary products						
3641-	3612 Transformers	(X)	(X)	(X)	(X)	(X)	(over 2)
	3661 Telephone and telegraph apparatus	(X)	(X)	(X)	(X)	(X)	(over 2)
	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(over 2)
3642-	3429 Hardware, n.e.c	(X)	(X)	(X)	(X)	(X)	5.2
	3433 Heating equipment, except electric	(X)	(X)	(X)	(X)	(X)	(5-10)
	3446 Architectural metalwork	(X)	(X)	(X)	(X)	(X)	(2-5)
	3499 Fabricated metal products, n.e.c	(X)	(X)	(X)	(X)	(X)	(5-10)
	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(over 2)
	3613 Switchgear and switchboard apparatus	(X)	(X)	(X)	(X)	(X)	(2-5)
	3692 Primary batteries, dry and wet	(X)	(X)	(X)	(X)	(X)	(2-5)
3643-	2641 Coated and glazed paper	(X)	(X)	(X)	(X)	(X)	(2-5)
	3264 Porcelain electrical supplies	(X)	(X)	(X)	(X)	(X)	(5-10)
	3356 Rolled and drawn nonferrous metals, n.e.c	(X)	(X)	(X)	(X)	(X)	(over 2)
	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(2-5)
	3564 Blowers and fans	(X)	(X)	(X)	(X)	(X)	(5-10)
	3613 Switchgear and switchboard apparatus	(X)	(X)	(X)	(X)	(X)	11.3
	3622 Industrial controls	(X)	(X)	(X)	(X)	(X)	(20-50)
	3629 Electrical industrial apparatus, n.e.c	(X)	(X)	(X)	(X)	(X)	(5-10)
	3661 Telephone and telegraph apparatus	(X)	(X)	(X)	(X)	(X)	(2-5)
	3679 Electronic components, n.e.c	(X)	(X)	(X)	(X)	(X)	17.8
	3699 Electrical equipment, n.e.c	(X)	(X)	(X)	(X)	(X)	5.4
	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(2-5)
	3861 Photographic equipment and supplies	(X)	(X)	(X)	(X)	(X)	(over 2)
3644-	1999 Ordnance and accessories, n.e.c	(X)	(X)	(X)	(X)	(X)	(over 2)
	3312 Blast furnace and steel mill products	(X)	(X)	(X)	(X)	(X)	(10-20)
	3317 Steel pipe and tubes	(X)	(X)	(X)	(X)	(X)	(over 2)
	3351 Rolled and drawn copper	(X)	(X)	(X)	(X)	(X)	(over 2)
	3352 Rolled and drawn aluminum	(X)	(X)	(X)	(X)	(X)	(over 2)
	3357 Nonferrous wiredrawing and insulating products	(X)	(X)	(X)	(X)	(X)	3.8
	3494 Valves and pipe fittings	(X)	(X)	(X)	(X)	(X)	(over 2)
	3613 Switchgear and switchboard apparatus	(X)	(X)	(X)	(X)	(X)	9.1
	3661 Telephone and telegraph apparatus	(X)	(X)	(X)	(X)	(X)	(over 2)
	3861 Photographic equipment and supplies	(X)	(X)	(X)	(X)	(X)	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	1967			1963		
		Production for all purposes (million bulbs)	Total shipments, including interplant transfers: Quantity (million bulbs)	Total shipments, including interplant transfers: Value (million dollars)	Production for all purposes (million bulbs)	Total shipments, including interplant transfers: Quantity (million bulbs)	Total shipments, including interplant transfers: Value (million dollars)
3641- --	ELECTRIC LAMPS, TOTAL	(X)	(X)	756.4	(X)	(X)	545.9
36410 --	Electric lamps (bulbs only), including sealed beam lamps:						
	Electric lamps (bulbs only):						
36410 10	As reported in the census of manufactures	(X)	(X)	[1]756.4	(X)	(X)	[1]545.9
	As reported on Census Quarterly Form M36B	(X)	(X)	742.8	3,060.3	3,017.2	551.0
	Photographic incandescent, total	1,503.5	1,468.7	131.0	718.2	714.6	63.8
	Photoflash, including blue, total	1,486.3	1,454.3	104.1	707.6	704.3	47.5
36410 21	Screw base	127.7	127.1	10.3	3.8	3.3	0.5
36410 22	Midget				186.9	195.8	14.9
36410 23	Miniature	302.3	300.7	22.3	188.9	191.4	12.9
36410 27	All glass (AG-1)	1,056.3	1,026.4	71.5	328.0	313.8	19.1
36410 28	Projection-bulk packed	2.7	2.8	5.4	1.7	1.6	3.1
36410 29	Projection-all other	7.8	6.8	15.4	4.6	4.5	9.2
36410 25	Photoflood, photo-enlarger, and other photolamps	6.7	4.8	6.1	4.2	4.2	4.0
	Large incandescent, except photographic and Christmas tree, total	1,390.6	1,398.4	263.3	1,253.5	1,236.3	216.5
	General lighting:						
	15-150 watts, 100 to 130 volts:						
36410 08	White lamps	240.5	247.3	35.2	163.1	156.2	20.5
36410 09	All other	745.4	747.3	87.8	746.3	734.6	84.7
36410 12	Above 150 watt, 100 to 130 volts	63.3	65.0	18.4	62.3	61.3	17.7
36410 13	3-light, 100 to 130 volts	38.5	39.4	11.8	34.0	33.7	10.0
	Reflector, 100 to 130 volts, total	37.7	37.1	35.8	30.2	29.1	28.4
36410 14	Par type (pressed glass)	19.8	20.2	22.9	16.1	15.5	17.5
36410 19	R type (blown glass)	17.9	17.0	12.9	14.1	13.6	10.9
36410 15	Infrared (all types, including quartz) 100 to 130 volts	4.3	4.0	5.8	5.4	4.4	4.8
36410 16	Traffic and street lighting, 100 to 130 volts	12.9	13.7	4.4	14.4	15.4	5.3
36410 17	Rough and vibration service, 100 to 130 volts	31.5	31.7	7.5	28.8	28.4	6.5
36410 18	All other large incandescent (special purpose)	216.6	213.0	56.5	169.0	173.1	38.8
	Miniature incandescent, total	830.0	839.1	123.8	674.1	653.9	94.4
	Automobile glass and metal sealed beams:						
	Under 6 inches	56.2	57.8	37.0	54.5	52.6	31.2
36410 30	Bulk packed	32.5	34.0	20.5	54.5	32.0	18.1
36410 31	All other	23.7	23.8	16.6		20.6	13.1
	6 inches and over	16.9	17.3	13.0	24.1	22.7	16.0
36410 32	Bulk packed	5.4	5.7	4.0	24.1	5.6	3.6
36410 37	All other	11.5	11.6	9.0		17.1	12.4
	Automobile miniature other than glass and metal sealed beams	496.5	517.7	38.2	414.6	405.6	29.1
36410 33	Bulk packed	309.2	327.4	21.6	414.6	257.1	16.8
36410 36	All other	187.3	190.3	16.5		148.6	12.3
36410 34	Flashlight	75.4	69.4	3.7	68.2	65.8	3.6
36410 35	Radio panel	54.2	57.2	2.6	48.4	48.0	2.3
36410 39	All other miniatures	130.8	119.7	29.3	64.3	59.2	12.2
	Electrical discharge, except Christmas tree, total	315.1	322.5	209.4	246.0	241.4	166.9
36410 41	Germicidal, sterile, bacterial, and ozone	0.8	0.6	1.1	1.2	1.0	1.1
36410 42	Sun lamps bulbs	0.8	0.7	3.2	0.4	0.4	1.7
	Fluorescent, hot cathode, total	224.1	233.8	166.5	179.0	175.2	139.3
36410 43	Slimline	41.4	41.2	40.7	32.5	31.7	37.8
36410 46	Circular	6.6	5.9	9.3	5.1	5.0	7.9
36410 49	High output 800 milliamps and over	14.0	14.4	23.4	8.2	7.8	16.1
36410 44	Other fluorescent lamps, below 40 watts	36.5	38.0	22.2	32.2	31.0	17.8
36410 45	Other fluorescent lamps, 40 watt and over	125.7	134.3	71.0	101.0	99.7	59.7
	Miscellaneous electrical discharge, total	89.3	87.3	38.6	65.3	64.8	24.8
36410 51	Glow	84.1	82.8	7.4	63.0	62.6	5.8
36410 52	General lighting high intensity lamps	5.1	4.4	27.6	2.2	2.1	17.3
36410 53	Sodium, photochemical and other miscellaneous electrical discharge	0.1	0.1	3.6	(Z)	(Z)	1.7
36410 55	Christmas tree lamps (all types)	251.5	245.6	15.3	168.5	171.1	9.2
36410 63	Cold cathode fluorescent lamps for illumination and decoration, including custom built lamps, but excluding sign applications	(X)	(X)	([1])	(X)	(X)	([1])

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3642- --	LIGHTING FIXTURES	1,542.9	1,116.1
36421 --	Residential type electric fixtures, except portable:		
36421 00	As reported in the census of manufactures	190.5	158.8
	As reported on the Census Annual Form MA-36L	180.5	153.6
	Incandescent (excluding portable lamps, PAR lampholders and floodlights):		
	Interior (including bath or kitchen):		
36421 11	Ceiling or pendant	114.5	103.0
36421 13	Wall or bracket	26.5	16.5
	Outdoor:		
36421 15	Designed for attachment to house	18.3	17.0
36421 17	Not designed for attachment to house (garden, patio, yard)	9.7	7.4
36421 61	Fluorescent (except portable)	11.5	9.7
36422 --	Commercial and institutional type electric fixtures:		
36422 00	As reported in the census of manufactures	385.4	299.2
	As reported on Census Annual Form MA-36L	395.5	302.4
	Incandescent fixtures:		
	Utilitarian and ornamental types, except portable (primarily for public buildings, banks, stores, office buildings, schools, auditoriums, churches, theaters, etc.):		
36422 11	Surface or pendant	27.1	27.7
36422 15	Recessed	35.4	24.5
36422 18	Specialized custom lighting fixtures, chandeliers, church lighting, etc. (except portable)	10.1	9.0
36422 19	Other incandescent fixtures, such as interior display, portable lamps, and PAR lampholders	19.9	20.6
	Fluorescent (except portable):		
36422 51	Recessed air handling	22.0	19.4
36422 53	Recessed nonair handling	93.0	44.5
36422 54	Striplights	48.2	33.4
36422 55	Luminous or louvered ceiling systems (including integrated ceiling systems)	7.5	11.6
36422 56	Surface and plastic wraparound	48.6	
36422 58	Surface and pendant, metal or plastic louvered	27.5	109.0
36422 59	All other	53.4	
36422 61	Indoor signs, (including electro-luminescence, exit, directional, etc.)	2.9	2.7
36423 --	Industrial type electric fixtures:		
36423 00	As reported in the census of manufactures	120.6	76.1
	As reported on Census annual Form MA-36L	114.5	77.9
	Incandescent:		
36423 11	General lighting (except portable)	13.4	7.7
36423 15	Other industrial types (except portable) such as explosion-proof, vapor-proof, etc	11.6	8.7
36423 21	Portable	1.8	3.5
	Fluorescent:		
36423 13	General lighting (except portable)	62.8	50.6
36423 17	Other industrial types (including portable) such as explosion-proof, vapor-proof, etc	7.0	5.3
36423 14	Mercury (general lighting)	17.7	2.1
36424 --	Vehicular lighting equipment, electric:		
36424 00	As reported in the census of manufactures	226.1	157.4
	As reported on Census Annual Form MA-36L	221.7	157.4
	Motor vehicle incandescent lighting equipment:		
	Spot, fog, and auxiliary equipment:		
36424 11	Shipped to motor vehicle manufacturers	6.2	5.0
36424 15	Shipped to other than motor vehicle manufacturers		4.2
	Other motor vehicle lighting equipment (excluding bulbs, parking lights, dome lights, tail-lights, etc.):		
36424 21	Shipped to motor vehicle manufacturers (auto, truck, bus, trailer, etc.)	161.4	124.3
36424 25	Shipped to other than motor vehicle manufacturers	18.5	8.0
36424 29	Other than motor vehicle lighting equipment (including fluorescent fixtures, such as aircraft, watercraft, railway locomotives, railroad cars, street cars, etc.)	35.6	15.9
36425 --	Outdoor lighting equipment:		
36425 00	As reported in the census of manufactures	199.2	134.8
	As reported on Census Annual Form MA-36L	192.5	131.5
	Street and highway lighting luminaries (including bridge and tunnel lighting):		
36425 11	Incandescent (filament and quartz iodine)	2.6	7.4

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars) 1967	1963
3642- --	LIGHTING FIXTURES--Continued		
	Outdoor lighting equipment--Continued		
	Mercury and other discharge types, including integrally-mounted ballasts:		
36425 13	Open	18.3	11.9
36425 14	Enclosed	35.5	23.6
36425 15	Fluorescent	5.5	6.1
	Area and sports lighting luminaries:		
	Floodlights (excluding PAR lampholders) (including service station floodlights, under water, fountain, and swimming pool):		
36425 17	Incandescent, filament	12.0	8.9
36425 18	Incandescent, quartz iodine	6.4	2.7
36425 19	Mercury and other discharge types (including integrally-mounted ballasts)	20.2	8.0
36425 21	Fluorescent	12.6	10.7
	Post top decorative area lighting fixtures (including PAR lampholders):		
36425 23	Incandescent (filament and quartz iodine)	2.4	1.5
36425 25	Mercury and other discharge types (including integrally-mounted ballasts)	9.0	1.3
36425 27	Fluorescent		4.5
	Aviation ground lighting equipment (for fixed based airports):		
36425 31	Runway approach lighting (including fixtures, regulators, insulating transformers, isolating lamp transformers, beacons, wind tees and cones)	3.0	2.5
36425 33	Runway (except runway approach), taxiway and ramp light (including fixtures, regulators, and isolating lamp transformers)	4.7	1.8
	Poles, standards, newels, brackets, and accessories:		
	For street and highway lighting:		
36425 35	Metal, concrete, and integral brackets	28.1	21.1
36425 37	Wood pole brackets	2.3	2.2
36425 39	For area and sports lighting	9.9	3.4
36425 41	For other outdoor lighting	4.3	5.2
	Other floodlighting and area lighting equipment:		
36425 43	Spotlights (including indoor and stage, excluding vehicular)	7.9	4.5
36425 45	All other floodlighting and area lighting equipment	7.7	4.2
36426 --	Other electric and nonelectric lighting equipment (including hand portable equipment) and parts and accessories	122.6	84.7
36426 11	Flashlights and flashlight lanterns (one to five cells)	30.7	20.1
36426 19	Other, such as miners' lights, emergency warning lights, generator flashlights, etc	13.5	6.0
36426 21	Other electric lighting equipment, including electrical discharge such as mercury vapor (other than street and highway lighting equipment), sodium vapor etc. excluding signs	6.7	5.3
36426 31	Other incandescent electric lighting equipment including marine markers or beacons, railway and other vehicular route lighting equipment, parts and aceessories such as reflectors, etc., but excluding wire devices sold separately	12.5	11.1
36426 71	Parts and accessories for fluorescent lighting equipment, excluding tubes, ballasts, starting switches, and lampholders (including reflectors, etc.)	7.7	7.5
36426 75	Other fluorescent lighting equipment, complete units, including processing and technical equipment	18.3	8.8
	Nonelectric lighting equipment, including parts:		
36426 81	Kerosene and gasoline lamps and lanterns	14.2	8.2
36426 85	Parts and accessories for nonelectric lighting equipment, including reflectors and fittings, incandescent mantles, etc	4.7	6.2
36426 89	Other nonelectric lighting fixtures and equipment, complete units, including carbide lamps of all types	0.8	3.3
36426 91	Ultraviolet and infrared health lamp fixtures, excluding lamp bulbs sold separately	0.3	1.1
36426 00	Other electric and nonelectric lighting equipment (including hand portable equipment) and parts and accessories, n.s.k	13.0	7.1
36427 --	Residential type electric fixtures (portable)	176.4	160.2
	Incandescent portable lamps, complete:		
	Complete with shade:		
36427 21	Floor, bridge, and torch lamps	41.6	36.1
36427 22	Wall lamps, including adjustable types	11.7	5.1
36427 23	Table lamps	78.3	70.7
36427 29	Other, including boudoir	12.0	16.0
36427 32	Lamps sold without shades, including floor, bridge, table, etc	6.2	5.7
36427 61	Portable lamps (desk, etc.) fluorescent	13.6	10.5
36427 00	Residential type electrical fixtures (portable), n.s.k	12.9	16.2
36420 00	Lighting fixtures, n.s.k. (Represents establishment with 10 or more employees in 1967, See Note.)	61.0	
36420 02	Lighting fixtures, n.s.k. (Represents establishments with less than 10 employees in 1967. See Note.)	30.0	44.9

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3643- --	CURRENT CARRYING WIRING DEVICES	.....	(X)	789.8	(X)	561.8
36430 --	Current carrying wiring devices, including lightning rods:					
36430 00	As reported in the census of manufactures	.....	(X)	789.8	(X)	561.8
	As reported on census annual Form MA-36K	.....	(X)	717.2	(X)	530.2
	Lampholders:					
	Incandescent (Threaded and lumitive only):					
36430 01	Metal outer shell lampholders, key, keyless, push through and pull types--medium size only (excluding outer box type and socket interiors)	1,000 units...	68.7	10.5	66.9	11.0
36430 02	Outlet box lampholders, pull and keyless types--medium size only	...do.....	5.0	1.8	11.1	3.0
36430 03	All other lampholders (including lumiline, weatherproof, temporary, socket interiors, etc.) All sizes	...do.....	252.3	24.0	207.0	18.2
36430 05	Fluorescent (all types)	...do.....	188.9	14.4	135.3	12.0
	Convenience and power outlets:					
	Flush (all types, designed for mounting in switch or outlet boxes):					
36430 11	15 amperes and under (nonlocking type)	...do.....	108.9	23.5	90.6	18.8
36430 12	15 amperes and under (locking type)	...do.....	0.9	1.0		
36430 13	Over 15 amperes (nonlocking type)	...do.....	24.9	9.3	21.1	8.4
36430 15	Over 15 amperes (locking type)	...do.....	2.2	3.1		
36430 17	Appliance and special application outlets (installed generally as a component part of an electrical appliance or piece of electrical equipment)	...do.....	35.5	5.9	18.9	3.1
36430 14	Surface raceway outlets	...do.....	46.5	11.7	39.4	6.3
36430 19	Surface (except raceway) outlets, and all other outlets (including pin and sleeve, and circuit breaking types)	...do.....				
	Attachment plug caps, connector bodies, and motor bases, adapters, and miscellaneous current taps:					
36430 21	Nonlocking type	.....	(X)	27.7	(X)	25.2
36430 22	Locking type	1,000 units...	13.9	10.1		
	Switches (except knife, time, solenoid, automotive and aircraft):					
36430 23	Electric range and oven controls (infinite and stop)	...do.....	9.6	4.2	89.9	55.5
36430 24	All other appliances and specific application switches and variable speed controls (installed generally as a component part of an electrical appliance or piece of electrical equipment, except precision snap acting switch type)	...do.....	105.1	73.9		
	General purpose flush switches (designed for mounting in switch or outlet boxes):					
36430 25	15 amperes and under (except incandescent dimmers)	...do.....	56.7	17.8	65.1	17.0
36430 26	Incandescent dimmers, 15 amperes and under	...do.....	12.2	8.6	11.0	5.2
36430 27	Over 15 amperes (all types)	...do.....				
36430 36	Precision (1/8" gap or less) snap-acting switches, excluding limit switches	...do.....	73.2	72.9	44.4	47.8
36430 39	All other (including incandescent dimmers, 15 amperes and under low voltage remote control, surface, canopy, fixture, and portable lamp switches-except knife, time, solenoid, and automotive switches)	.....	99.6	25.8	(NA)	15.0
	Fluorescent starters:					
36430 52	Cartridge (replaceable)	...do.....	53.7	5.7	78.6	8.4
36430 53	Push-button momentary contract switch	...do.....				
36430 61	Lightning arrestors for AC power transmission systems and substations 5MA series 2.5KA and 1.5KA	.....	(X)	18.6	(X)	25.0
36430 62	Light arresters for AC power distribution systems and substations 5MA series 2.5KA and 1.5KA	.....	(X)	17.7		
36430 69	Choke coils and all other protective devices, n.e.c. (including devices for railway signaling power circuit)	.....	(X)	5.0		
36430 73	Rail bonds for both propulsion and signal circuits	.....	(X)	2.0	(X)	1.7
36430 75	Metal contacts, precious and other	Billion units.	4.9	75.5	3.9	46.7
	Wire connectors (include connectors used under national electrical applications):					
36430 82	Pressure Connectors, where pressure is applied by screw, cone or other mechanical device	1,000 units...	(NA)	54.9	(NA)	86.0
36430 83	Compression connectors: uninsulated terminals and splicers, tool installed	...do.....	(NA)	41.7		
36430 84	Preinsulated terminals and splicers, tool installed	...do.....	(NA)	26.2		
36430 86	Branded or strip terminals and splicers, machine installed	...do.....	(NA)	28.9		
36430 87	Pigtail connectors (including wire nuts)	...do.....	(NA)	4.0		
36430 88	Blade or pin type, separable terminations and splicers	...do.....	(NA)	9.5		
36430 89	Other wire connectors, n.e.c. (including solder type)	...do.....	(NA)	31.6	(NA)	46.9

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3643- --	CURRENT CARRYING WIRING DEVICES--Continued					
36430 --	Current carrying wiring devices, including lightning rods--Con. As reported on census annual form MA-36K--Continued					
36430 91	Lightning rods	...	(X)	2.0	(X)	4.1
36430 92	Overhead trolley line material (except pole-line hardware and expansion shells and plugs for roof bolting in mines)	...	(X)	7.1	(X)	4.6
36430 98	Other current-carrying wiring devices, including rosettes, etc.	...	(X)	40.4	(X)	60.4
3644- --	NONCURRENT CARRYING WIRING DEVICES, TOTAL	...	(X)	548.6	(X)	412.9
36441 --	Pole-line and transmission hardware:					
36441 00	As reported in the census of manufactures	...	(X)	130.2	(X)	97.9
	As reported on Census Annual Form MA-36K	...	(X)	131.9	(X)	87.5
36441 12	Pole and transmission line construction materials, also known as overhead and underground line hardware for electric transmission, distribution, and communication lines, excluding pole and transmission line anchors and pole and transmission line commercially materials, where such materials are not otherwise commercially available	...	(X)	98.4		
36441 13	Pole and transmission line anchors	...	(X)	4.4		
36441 14	Pole and transmission line construction materials, manufactured to specification, where such materials are not otherwise commercially available	...	(X)	8.1	(X)	74.6
36441 51	Transmission hardware for high voltage porcelain products (including clamps, end fittings, strain yokes)	...	(X)	21.1	(X)	12.9
36442 --	Electrical conduit and conduit fittings:					
36442 00	As reported in the census of manufactures	...	(X)	306.9	(X)	242.1
	As reported on Census Annual Form MA-36K	...	(X)	315.8	(X)	240.0
	Rigid conduit (standard weight), metal only, including couplings, nipples, bends, and elbows:					
36442 21	Steel	1,000 short ton	354.6	87.9	251.3	66.3
36442 25	Aluminum	...do...	19.8	15.6	(X)	19.9
36442 26	Other metal conduit	...do...				
36442 27	Electrical metallic tubing	...do...	213.7	51.3	157.5	40.9
36442 33	Flexible steel conduit	Million ft.	86.8	8.0	90.3	7.0
	Raceways and wireways, including fittings' metal:					
36442 34	Surface	...	(X)	6.7		
36442 37	Underfloor	...	(X)	15.5	(X)	21.9
36442 38	Ventilated cable tray and accessories	...	(X)	10.9		
36442 41	Rigid conduit fittings, excluding couplings, nipples, bends and elbows	...	(X)	45.9		
	EMT fittings:					
36442 42	Ferrous	...	(X)	9.7		
36442 43	Nonferrous	...	(X)	8.1	(X)	75.2
36442 44	Service entrance caps, ells and connectors	...	(X)	4.6		
36442 45	Armored cable, flexible conduit and nonmetallic cable fittings	...	(X)	23.5		
36442 76	Other	...	(X)	18.5		
	Switch and outlet wall plates:					
36642 03	Metal	Million units	33.8	3.8	23.1	2.4
36442 65	Plastic	...do...	70.7	5.9	96.8	5.9
36443 --	Other noncurrent carrying wiring devices and supplies:					
36443 00	As reported in the census of manufactures	...	(X)	98.6	(X)	92.8
	As reported on Census Annual Form MA-36K	...	(X)	93.5	(X)	85.4
	Stamped metal boxes, covers, and accessories (including clamped conduit boxes):					
36443 31	Switch and receptacle boxes	Million units	114.5	27.3	99.1	16.1
36443 32	Outlet boxes	...do...	136.9	23.5	121.5	19.0
36443 33	Covers	...do...	(NA)	5.9	(X)	6.1
36443 34	Supports, bar hangers and other accessories	...	(X)	11.5		
	Cast metal boxes, covers and accessories: Switch receptacle, outlet and conduit boxes (including covers):					
36443 35	Ferrous	...	(X)	18.8	(X)	44.2
36443 36	Nonferrous	...				
36443 37	Plastic boxes and covers	...	(X)	6.4		
36443 38	Floor boxes and covers	...				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3644- --	NONCURRENT CARRYING WIRING DEVICES--Continued					
36440 00	Noncurrent carrying wiring devices, n.s.k. (Represents establishments with 10 employees or more in 1967)	.....	(X)	10.9	(X)	(X)
36440 02	Noncurrent carrying wiring devices, n.s.k. (Represents establishments with fewer than 10 employees in 1967)	.....	(X)	1.9		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Product code 3641063, cold cathode fluorescent lamps, etc., are included with product code 3641010, electric lamps (bulbs only), as reported in the census of manufactures. Product code 3641063 was negligible in 1967 and was revised to $547 in 1963.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
RESIDENTIAL TYPE ELECTIRC FIXTURES, EXCEPT PORTABLE (36421)		
United States	190.5	158.8
Northeast Region	86.3	69.9
New England Div	8.9	5.7
Massachusetts	CC	(1)
Rhode Island	AA	(D)
Connecticut	1.9	(D)
Middle Atlantic Div	77.4	64.2
New York	22.3	19.5
New Jersey	22.3	13.6
Pennsylvania	32.8	31.0
North Central Region	36.3	44.4
East North Central Div	35.3	42.0
Ohio	21.2	11.0
Illinois	7.5	23.2
Wisconsin	CC	(1)
South Region	39.0	19.2
South Atlantic Div	CC	(D)
North Carolina	AA	(D)
South Carolina	BB	(D)
Georgia	1.6	1.0
East South Central Div	FF	(D)
Kentucky	FF	(1)
Tennessee	AA	(1)
West South Central Div	BB	(D)
Arkansas	BB	(1)
West Region	29.0	25.3
Pacific Div	FF	(D)
California	FF	(1)
COMMERCIAL, INSTITUTIONAL TYPE ELECTRIC FIXTURES (36422)		
United States	385.4	299.2
Northeast Region	121.0	(D)
New England Div	9.4	15.4
Massachusetts	4.3	10.7
Connecticut	BB	(1)
Middle Atlantic Div	111.6	87.1
New York	50.0	38.0
New Jersey	21.9	23.3
Pennsylvania	39.7	25.8
North Central Region	99.0	(D)
East North Central Div	72.6	66.7
Ohio	32.7	23.5
Indiana	CC	(1)
Illinois	31.0	28.1
Wisconsin	BB	(1)
West North Central Div	26.4	16.9
Missouri	25.7	(1)
South Region	105.1	(D)
South Atlantic Div	50.8	29.6
West Virginia	CC	(1)
North Carolina	CC	(D)
Georgia	FF	(1)
Florida	6.0	(1)
COMMERCIAL, INSTITUTIONAL TYPE ELECTRIC FIXTURES (36422)--Con.		
South Region--Con.		
East South Central Div	43.4	28.7
Kentucky	AA	(1)
Tennessee	EE	(D)
Mississippi	31.1	(1)
West South Central Div	10.9	6.1
Arkansas	BB	(1)
Texas	CC	(1)
West Region	60.2	48.6
Mountain Div	CC	(D)
Colorado	CC	(1)
Pacific Div	GG	(D)
Washington	CC	(1)
California	FF	(1)
INDUSTRIAL TYPE ELECTRIC FIXTURES (36423)		
United States	120.6	76.1
Northeast Region	39.3	22.1
New England Div	13.9	4.1
Massachusetts	11.3	(1)
Rhode Island	AA	(D)
Middle Atlantic Div	25.4	18.0
New York	11.5	7.8
New Jersey	7.7	4.4
Pennsylvania	6.2	5.8
North Central Region	35.2	30.6
East North Central Div	32.0	28.7
Ohio	15.3	13.6
Indiana	AA	(1)
Illinois	13.3	14.2
Michigan	AA	(D)
West North Central Div	3.2	1.9
Missouri	3.2	1.9
South Region	38.4	16.7
South Atlantic Div	17.2	(D)
West Virginia	AA	(1)
North Carolina	BB	(D)
South Carolina	BB	(D)
Georgia	CC	(1)
Florida	1.0	(D)
East South Central Div	19.5	(D)
Tennessee	CC	(D)
Mississippi	EE	(1)
West South Central Div	1.7	(D)
Texas	AA	(D)
West Region	7.7	6.7
Pacific Div	CC	(D)
California	CC	6.1
VEHICULAR LIGHTING EQUIPMENT, ELECTRIC (36424)		
United States	226.1	157.4
Northeast Region	37.8	18.2
New England Div	7.6	5.5
Massachusetts	BB	(1)
Connecticut	BB	(1)
VEHICULAR LIGHTING EQUIPMENT, ELECTRIC (36424)--Con.		
Northeast Region--Con.		
Middle Atlantic Div	30.1	12.7
New York	FF	(1)
Pennsylvania	AA	(D)
North Central Region	173.6	134.0
East North Central Div	GG	(D)
Ohio	FF	16.7
Indiana	GG	(1)
Illinois	20.5	10.4
Michigan	EE	(1)
South Region	9.0	(D)
South Atlantic Division	CC	(D)
Delaware	BB	(1)
Florida	BB	(1)
West South Central Div	BB	(D)
Texas	BB	(D)
West Region	5.8	(D)
Pacific Div	5.8	(D)
Washington	BB	(1)
California	BB	(D)
OUTDOOR LIGHTING EQUIPMENT (36425)		
United States	199.2	134.8
Northeast Region	39.9	30.0
New England Div	5.2	2.0
Massachusetts	3.1	1.5
Connecticut	AA	(D)
Middle Atlantic Div	34.7	28.0
New York	14.1	10.7
New Jersey	16.6	11.8
Pennsylvania	4.0	5.5
North Central Region	79.2	56.0
East North Central Div	69.8	53.5
Ohio	39.8	23.5
Illinois	FF	21.1
Wisconsin	CC	(1)
West North Central Div	9.4	2.5
Minnesota	5.8	(D)
Nebraska	BB	(D)
South Region	58.8	37.9
South Atlantic Div	FF	(D)
Virginia	CC	(D)
North Carolina	FF	(D)
East South Central Div	EE	(D)
Tennessee	BB	(1)
Alabama	AA	(D)
Mississippi	CC	(D)
West South Central Div	CC	(D)
Texas	CC	(D)
West Region	21.3	11.0
Mountain Div	AA	(D)
Utah	AA	(1)
Pacific Div	EE	(D)
California	EE	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER LIGHTING EQUIPMENT, PARTS, ACCESSORIES (36426)		
United States	122.6	84.7
Northeast Region	74.6	43.6
New England Division	36.5	19.5
Vermont	EE	(1)
Massachusetts	12.8	(D)
Connecticut	EE	(1)
Middle Atlantic Div.	38.1	24.1
New York	11.4	10.9
New Jersey	15.2	5.9
Pennsylvania	11.5	7.3
North Central Region	32.6	30.5
East North Central Div.	21.9	22.5
Ohio	4.6	4.8
Indiana	3.6	4.7
Illinois	8.7	11.4
Michigan	BB	(D)
Wisconsin	AA	(D)
West North Central Div.	10.7	8.0
Missouri	AA	(1)
Kansas	CC	(1)
South Region	7.4	2.4
South Atlantic Div.	4.3	(D)
North Carolina	BB	(D)
East South Central Div.	1.9	(D)
Kentucky	AA	(D)
West South Central Div.	1.2	(D)
Texas	1.2	(D)
West Region	7.9	8.1
Pacific	7.8	(D)
Washington	AA	(1)
California	CC	(1)
RESIDENTIAL TYPE ELECTRIC FIXTURES (PORTABLE) (36427)		
United States	176.4	160.2
Northeast Region	98.1	94.3
New England Div.	2.6	2.5
Massachusetts	AA	2.3
Middle Atlantic Div.	95.5	91.8
New York	40.0	42.2
New Jersey	25.7	17.5
Pennsylvania	29.8	32.1
North Central Region	54.4	40.5
East North Central Div.	50.3	(D)
Ohio	CC	7.1
Illinois	40.4	28.5
Wisconsin	AA	(1)
West North Central Div.	4.1	(D)
Missouri	BB	(1)
South Region	9.3	9.0
South Atlantic Div.	1.7	(D)
East South Central Div.	CC	(D)
Kentucky	BB	(1)
Mississippi	BB	(1)
West South Central Div.	AA	(D)
Texas	AA	1.5
West Region	14.5	16.4
Pacific Div.	14.5	16.4
California	14.4	(1)
POLE LINE AND TRANSMISSION HARDWARE (36441)		
United States	130.2	97.9
Northeast Region	32.0	18.7
New England Div.	5.1	(D)
New Hampshire	AA	(D)
Connecticut	BB	(1)
Middle Atlantic Div.	26.9	(D)
New York	17.9	10.3
New Jersey	AA	(D)
Pennsylvania	EE	(1)
North Central Region	72.3	56.6
East North Central Div.	48.5	(D)
Ohio	EE	(1)
Illinois	22.8	26.5
Michigan	AA	(1)
Wisconsin	CC	(D)
West North Central Div.	23.9	(D)
Minnesota	BB	(D)
Missouri	BB	(1)
Nebraska	AA	(D)
South Region	14.4	13.3
South Atlantic Div.	BB	(D)
Georgia	BB	(D)
East South Central Div.	10.0	(D)
Alabama	BB	(D)
Mississippi	CC	(D)
West South Central Div.	CC	(D)
Texas	CC	(1)
West Region	11.4	9.3
Pacific Div.	11.4	9.3
California	11.4	(D)
ELECTRICAL CONDUIT AND CONDUIT FITTINGS (36442)		
United States	306.9	242.2
Northeast Region	133.7	118.4
New England Div.	19.5	15.3
Massachusetts	2.5	(1)
Rhode Island	1.4	(D)
Connecticut	15.6	12.8
Middle Atlantic Div.	114.2	103.1
New York	FF	(1)
New Jersey	FF	(1)
Pennsylvania	46.3	(D)
North Central Region	101.6	78.5
East North Central Div.	95.3	73.1
Ohio	21.8	20.6
Indiana	EE	10.1
Illinois	49.9	36.6
Michigan	EE	5.9
West North Central Div.	6.3	5.4
Minnesota	AA	(D)
Missouri	EE	(1)
South Region	55.2	30.6
South Atlantic Div.	FF	(1)
Maryland	CC	(D)
West Virginia	EE	(1)
South Carolina	AA	(D)
ELECTRICAL CONDUIT AND CONDUIT FITTINGS (36442)--Con.		
South Region--Con.		
East South Central Div.	AA	(D)
Kentucky	AA	(1)
West South Central Div.	EE	(D)
Texas	EE	(1)
West Region	16.4	14.7
Pacific Div.	16.4	14.7
California	16.4	(1)
OTHER NONCURRENT-CARRYING WIRE DEVICES, SUPPLIES (36443)		
United States	98.6	92.8
Northeast Region	27.8	(D)
New England Div.	2.0	1.9
Connecticut	1.1	1.3
Middle Atlantic Div.	25.8	37.6
New York	4.7	21.3
New Jersey	6.9	1.9
Pennsylvania	14.2	14.4
North Central Region	45.0	(D)
East North Central Div.	47.6	30.0
Ohio	2.9	(D)
Indiana	EE	(1)
Illinois	30.7	13.7
Michigan	BB	(1)
West North Central Div.	11.4	6.0
Minnesota	CC	(1)
Missouri	AA	(D)
South Region	17.5	5.1
South Atlantic Div.	EE	(D)
West Virginia	EE	(1)
East South Central Div.	EE	(D)
Kentucky	CC	(D)
Tennessee	CC	(D)
West South Central Div.	1.4	(D)
Texas	1.4	(D)
West Region	8.2	12.3
Pacific Div.	8.2	(D)
California	CC	(D)
CURRENT-CARRYING WIRING DEVICES, INCLUDING LIGHTNING RODS (36430)		
United States	789.7	561.8
Northeast Region	449.4	347.8
New England Div.	198.0	158.1
Massachusetts	68.1	48.3
Connecticut	96.0	77.6
Middle Atlantic Div.	251.4	189.7
New York	121.7	92.7
New Jersey	64.9	49.3
Pennsylvania	64.7	47.6

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
CURRENT-CARRYING WIRING DEVICES, INCLUDING LIGHTNING RODS (36430)--Con.		
North Central Region....	275.3	151.2
East North Central Div....	241.0	151.2
Ohio.....	55.2	32.1
Indiana.....	35.5	24.8
Illinois.....	111.0	73.6
Michigan.....	13.3	(1)
Wisconsin.....	25.9	(1)
CURRENT-CARRYING WIRING DEVICES, INCLUDING LIGHTNING RODS (36430)--Con.		
North Central Region--Con.		
West North Central Div....	34.3	30.0
Minnesota.....	12.9	(1)
Missouri.....	21.4	18.2
South Region.....	40.4	16.5
South Atlantic.....	FF	(D)
Florida.....	2.5	(D)
East South Central Div....	EE	(D)
CURRENT CARRYING WIRING DEVICES, INCLUDING LIGHTNING RODS (36430)--Con.		
South Region--Con.		
West South Central Div....	CC	(D)
Texas.....	4.7	(D)
West Region.....	24.7	16.4
Mountain Div.....	AA	(D)
Pacific Div.....	FF	(D)
California.....	23.2	15.8

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Values ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes-Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3641-	Electric lamps.....	756.4	699.9	643.1	576.2	545.9	393.6	309.7	191.7
3642-	Lighting fixtures.....	1,511.8	1,437.9	1,358.6	1,211.1	1,116.1	765.4	633.5	468.5
36421	Residential type electric fixtures, except portable.....	190.5	185.9	186.7	177.5	158.8	114.8	88.5	54.2
36422	Commercial, institutional type electric fixtures...	385.4	370.2	336.8	320.4	299.2	168.1	119.0	68.4
36423	Industrial type electric fixtures.....	120.6	122.5	97.9	79.7	76.1	62.4	60.5	51.0
36424	Vehicular lighting equipment, electric.....	226.1	207.9	209.0	175.1	157.4	106.0	144.4	110.1
36425	Outdoor lighting equipment.....	199.2	178.0	158.3	143.2	134.8	76.3	52.0	35.6
36426	Other lighting equipment, including hand portable equipment, parts and accessories.....	122.6	120.9	110.8	98.5	84.7	68.9	54.8	51.0
36427	Residential type electric fixtures (portable).....	176.4	214.2	213.8	173.2	160.2	112.5	94.9	75.4
36420	Lighting fixtures, n.s.k.....	91.0	39.1	45.4	43.7	44.9	56.4	19.3	22.6
3643-	Current-carrying wiring devices[2].....	789.8	781.0	644.2	605.5	561.8	448.5	(NA)	(NA)
3644-	Noncurrent-carrying wiring devices.....	548.6	605.8	535.9	492.1	439.3	341.6	284.1	205.4
36441	Pole-line and transmission hardware.....	130.2	137.5	131.2	112.5	97.9	81.2	70.9	57.7
36442	Electric conduit and conduit fittings.....	306.9	325.4	290.1	261.7	242.2	201.3	152.3	111.0
36443	Other noncurrent-carrying devices, and supplies....	98.6	136.9	108.6	111.4	92.8	59.1	60.9	36.7
36440	Noncurrent-carrying devices, n.s.k.....	12.8	6.1	6.1	6.4	6.4	(X)	(X)	(X)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

[2]This product class previously included electronic connectors but has been redefined in the 1963 Census of Manufactures to exclude this product. The value of shipments including electronic connectors are as follows: 1963, $828.2 million; 1958, $514.9 million; 1954, $285.2 million; and 1947, $170.3 million.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3641.--ELECTRIC LAMPS					
	Materials, components, parts, containers and supplies, total	.....	(X)	227.8	(X)	184.0
	Mill shapes and forms (except castings):					
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	1,000 lbs.....	(NA)	0.8	1.4	1.4
335123	Plate, sheet, and strip, including military cups and discs	...do.....				
335127	Pipe and tube	...do.....			(NA)	(NA)
335728	Bare wire (for electrical conduction only)	.....	-	-	(D)	(D)
335790	Insulated wire and cable	.....	-	-	(D)	(D)
260091	Paper and paperboard containers	.....	(X)	20.1	(X)	15.5
970099	All other materials, parts, containers and supplies consumed	.....	(X)	191.0	(X)	161.3
973000	Materials, parts, containers and supplies, n.s.k.[1]	.....	(X)	15.9	(X)	5.7
	INDUSTRY 3642.--LIGHTING FIXTURES					
	Materials, components, parts, containers and supplies, total	.....	(X)	717.1	(X)	538.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	11.5	1.8	4.1	0.9
331012	Sheet and strip	...do.....	293.9	47.4	247.7	39.5
331017	Wire and wire products	...do.....	15.4	3.9	3.6	1.1
331015	Structural shapes	...do.....	9.3	1.5	4.3	0.9
331013	Plates	...do.....	4.7	0.5	32.2	3.7
331019	All other carbon steel mill shapes and forms	...do.....	7.8	1.8	21.6	4.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	0.2	0.3	0.2	0.2
331029	All other alloy steel mill shapes and forms	...do.....	6.4	4.2	5.4	3.1
331031	Stainless steel	...do.....	3.5	3.5	2.2	2.2
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	4.0	3.4	2.7	1.5
335790	Insulated wire and cable	Million lbs..... (copper content).	15.0	8.4	10.1	6.7
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	1.3	0.9	1.5	0.9
335123	Plate, sheet and strip, including military cups and discs	...do.....	4.0	3.0	5.2	3.1
335127	Pipe and tubes	...do.....	(NA)	3.3	2.5	2.2
	Aluminum and aluminum-base alloy:					
335202	Sheet plate and foil	...do.....	21.5	9.6	21.3	10.6
335205	Extruded shapes including extruded rod, bar, pipe, tube, etc.	...do.....	19.6	9.4	10.0	4.9
335209	All other aluminum mill shapes and forms (wired, rolled and bar, powder, welded tubing, etc.)	...do.....	4.8	2.4	2.3	1.2
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons..	4.3	2.2	4.8	2.3
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	...do.....	17.1	6.0	5.2	1.9
332300	Steel	...do.....	9.1	5.1	3.0	1.9
336100	Aluminum and aluminum-base alloy	Million lbs.....	33.1	19.2	7.7	5.9
336200	Copper and copper-base alloy	...do.....	2.1	1.9	1.8	1.6
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for cellulosics, polyethylenes, polypropylenes, styrenes, etc. Includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes and other shapes)	Million lbs. (dry basis).....	30.1	11.0	12.2	5.6
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.). Includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes, and other shapes	...do.....	3.9	1.8	3.7	1.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	401.2	(X)	308.1
976000	Materials, parts, containers, and supplies, n.s.k.[1]	.....	(X)	163.4	(X)	123.0

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3643.--CURRENT-CARRYING WIRING DEVICES					
	Materials, components, parts, containers and supplies, total.	.....	(X)	285.1	(X)	225.5
	Mill shapes and forms (except casting):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	6.2	1.3	1.6	0.8
331012	Sheet and strip	...do	49.0	8.6	17.0	3.7
331017	Wire and wire products	...do	11.1	2.2	5.7	2.4
331019	All other carbon steel mill shapes and forms	...do	0.3	0.2	1.5	0.4
331020	Alloy steel (except stainless)	...do	6.3	2.6	6.6	2.7
331031	Stainless steel	...do	1.6	2.0	0.8	1.0
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million pounds	8.2	6.5	5.5	2.6
335790	Insulated wire and cable	Million pounds (copper content)	(NA)	8.0	12.0	5.8
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million pounds	8.8	6.8	13.3	6.9
335123	Plate, sheet, and strip including military cups and discs	...do	23.2	17.9	25.8	18.2
335127	Pipe and tube	...do	(NA)	2.0	4.2	2.6
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	2.5	1.2	4.4	1.9
335205	Extruded shapes (including extruded rod, bar, pipe tube, etc.)	...do	6.6	2.6	3.2	1.3
335209	All other aluminum mill shapes and form (wire, rolled rod and bar welded tubing, etc.)	...do	2.7	0.9	3.9	2.4
	Refinery shapes:					
333122	Copper and copper-base alloy	1,000 short tons.	3.0	3.0	2.3	1.6
333401	Aluminum and aluminum-base alloy	...do	(D)	(D)	0.5	0.3
333348	Zinc and zinc-base alloy	...do	1.0	0.4	0.4	0.2
	Scrap (exclude home scrap):					
999812	Copper and copper-base alloy	...do	(D)	(D)	(D)	(D)
999808	Aluminum and aluminum-base alloy	...do	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	...do	5.1	1.3	0.5	0.3
336100	Aluminum and aluminum-base alloy	Million pounds	(NA)	3.3	2.8	2.3
336200	Copper and copper-base alloy	...do	2.1	2.1	2.4	2.0
367408	Solid state semi-conductors	Million units	(NA)	0.2	1.7	0.4
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for cellulosics, polyethlenes, polypropylenes, styrenes, etc. Includes granules, pellets, powder, liquid, etc., and excludes sheets, rods, tubes and other shapes)	Million pounds (dry basis)	8.2	2.7	21.0	6.3
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc.). Includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes,and other shapes	...do	24.2	7.6	8.8	5.3
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	141.6	(X)	105.8
973000	Materials, parts, containers and supplies, n.s.k.[1]	.....	(X)	60.1	(X)	48.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3644.--NONCURRENT-CARRYING DEVICES					
	Materials, components, containers and supplies, total	.....	(X)	265.7	(X)	203.4
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons..	92.5	14.1	81.1	12.4
331012	Sheet and strip	...do.....	226.4	37.9	238.8	34.1
331017	Wire and wire products	...do.....	(NA)	3.6	7.2	1.7
331019	All other carbon steel mill shapes and forms	...do.....	284.6	32.8	187.2	31.6
331020	Alloy steel (except stainless)	...do.....	26.6	5.1	4.0	1.2
331031	Stainless steel	...do.....				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million lbs.....	0.9	0.3	(D)	(D)
335790	Insulated wire and cable	Million lbs..... copper content).	2.2	1.7	0.3	0.1
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	1.9	1.1	1.4	0.9
335123	Plate, sheet, and strip, including military cups and discs	...do.....			2.3	1.2
335127	Pipe and tube	...do.....			1.1	2.3
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	10.5	3.8	2.4	0.8
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.....			8.8	3.7
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....				
	Refinery shapes:					
333122	Copper and copper-base alloy	1,000 short tons..	3.3	2.9	3.1	2.0
333401	Aluminum and aluminum-base alloy	...do.....	3.9	1.9	2.2	1.1
333348	Zinc and zinc-base alloy	...do.....	19.5	5.6	13.3	3.6
	Scrap (exclude nome scrap):					
999812	Copper and copper-base alloy	...do.....	(D)	(D)	(NA)	(NA)
999808	Aluminum and aluminum-base alloy scrap (purchased only)	...do.....	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	...do.....	8.4	5.8	21.7	10.1
336100	Aluminum and aluminum-base alloy	Million lbs.....	9.1	4.9	5.5	3.8
336200	Copper and copper-base alloy	...do.....	0.6	0.8	1.2	1.1
367408	Solid state semi-conductors	Million units.....	-	-	(NA)	(NA)
282130	Thermoplastic resins, including modified resins (includes resin content of vinyls and dry bases for cellulosics, polyethylenes, polypropylenes, styrenes, etc. Includes granules, pellets, powder, liquid, etc., and excludes sheets, rods tubes and other shapes)	Million lbs, (dry basis).....	(D)	(D)	2.4	0.7
282140	Thermosetting resins (melamines, phenolica, polyesters, ureas, etc.). Includes granules, pellets, powder, liquid, etc. and excludes sheets, rods, tubes, and other shapes	...do.....			0.9	1.6
970009	All other materials and components, parts, containers, and supplies consumed	.....	(X)	104.9	(X)	77.7
976000	Materials, parts, containers and supplies, n.s.k.[1]	.....	(X)	38.5	(X)	11.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[2]No data are available on the quantities of castings produced and consumed in the same establishment.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See appendix, Explanation of Terms)

Code	Item	Unit of measure	Lighting fixtures (SIC 3642)
	Cost of purchased fuels and electric energy, total..	Million dollars.	12.4
	Cost of purchased fuels, total.....	...do.....	5.2
121005	Coal (anthracite, bituminous, and lignite):		
	Quantity.....	1,000 short tons	58.9
	Cost.....	Million dollars.	0.5
	Fuel oil, total:		
	Quantity.....	1,000 barrels...	177.0
	Cost.....	Million dollars.	0.6
291141	Distillate:		
	Quantity.....	1,000 barrels...	84.0
	Cost.....	Million dollars.	0.3
291151	Residual:		
	Quantity.....	1,000 barrels...	93.0
	Cost.....	Million dollars.	0.3
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):		
	Quantity.....	Million cu. ft..	4,102.9
	cost.....	Million dollars.	2.5
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.2
	Fuels, n.s.k.....	...do.....	1.4
	Purchased electric energy:		
	Quantity.....	Million kw.-hrs.	590.5
	Cost.....	Million dollars.	7.2
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	-
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	3,373.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3642	LIGHTING FIXTURES										
	ENTIRE INDUSTRY	1 213	64.6	388.0	50.0	98.8	252.6	828.6	769.3	1 593.6	32.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 159	57.4	344.7	44.8	87.9	226.2	741.4	702.4	1 439.8	30.1
36421	RESIDENTIAL TYPE ELECTRIC FIXTURES, EXC. PORTABLE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	111	10.0	57.7	7.4	14.3	35.5	132.5	120.0	248.0	2.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	90	7.2	42.1	5.3	10.6	26.6	89.9	88.3	175.3	2.4
36422	COMMERCIAL, INSTITUTIONAL TYPE ELECTRIC FIXTURES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	169	16.4	95.6	12.7	25.4	63.0	205.5	233.1	438.8	9.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	118	10.5	62.9	8.0	16.1	40.8	131.2	151.0	282.5	6.2
36423	INDUSTRIAL TYPE ELECTRIC FIXTURES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	30	2.2	12.7	1.8	3.5	7.9	23.3	27.0	50.3	2.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	16	1.3	7.7	1.0	2.0	4.4	13.2	14.5	27.7	1.8
36424	VEHICULAR LIGHTING EQUIPMENT, ELECTRIC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	36	11.8	84.9	9.3	18.9	60.2	167.1	113.3	279.9	7.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	26	8.9	68.4	7.2	14.8	50.0	135.9	85.2	220.7	6.7
36425	OUTDOOR LIGHTING EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	46	6.2	41.1	4.2	8.5	22.6	103.3	98.4	201.8	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	4.1	26.4	2.8	5.6	14.5	70.0	69.5	141.0	3.9
36426	OTHER LIGHTING EQUIPMENT, PARTS, ACCESSORIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	58	4.1	23.5	3.3	6.6	16.0	48.7	39.5	88.6	1.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	44	2.3	12.4	1.8	3.6	8.3	29.3	26.3	55.1	1.3
36427	RESIDENTIAL TYPE ELECTRIC FIXTURES (PORTABLE)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	156	9.2	46.9	7.5	14.7	30.8	90.1	86.7	176.7	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	140	8.0	41.5	6.5	12.7	26.7	80.1	78.9	158.8	1.3
3644	NONCURRENT CARRYING WIRING DEVICES										
	ENTIRE INDUSTRY	174	22.9	158.1	16.8	33.5	102.0	344.7	297.4	637.9	20.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	147	13.6	86.7	10.3	19.9	58.5	194.3	193.0	382.2	10.6
36441	POLE LINE AND TRANSMISSION HARDWARE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	26	5.0	36.6	3.9	7.6	25.8	69.4	58.5	126.5	3.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	16	1.7	11.9	1.2	2.1	7.6	28.1	17.4	44.1	1.9
36442	ELECTRICAL CONDUIT AND CONDUIT FITTINGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	52	10.9	77.6	7.7	15.8	47.0	177.2	176.5	352.3	11.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	40	4.2	26.6	3.3	6.5	18.7	61.2	105.0	164.3	4.2
36443	OTHER NONCURRENT CARRYING WIRE DEVICES, SUPPLIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	41	6.1	38.2	4.5	8.7	25.1	85.8	52.3	137.0	3.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	28	2.6	17.7	2.1	4.2	12.1	40.1	21.1	60.7	1.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X))Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations."

COMMUNICATION EQUIPMENT, INCLUDING RADIO AND TV, AND ELECTRONIC COMPONENTS AND ACCESSORIES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3651--Radio and Television Receiving Sets, Except Communication Types
3652--Phonograph Records
3661--Telephone and Telegraph Apparatus
3662--Radio and Television Transmitting, Signaling, and Detection Equipment and Apparatus
3671--Radio and Television Receiving Type Electron Tubes, Except Cathode Ray
3672--Cathode Ray Picture Tubes
3673--Transmitting, Industrial, and Special Purpose Electron Tubes
3674--Semiconductors and Related Services
3679--Electronic Components and Accessories, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

Industries included in this report produce the bulk of electronic equipment, i.e., radios, television sets, electron tubes, etc., but also produce communications equipment other than electronic (industry 3661).

Component parts are generally included in the industry of the end product with the exception of certain general purpose components which are specifically classified elsewhere in the Standard Industrial Classification. Electronic components are frequently produced and consumed at the same location by establishments classified in this major group. Thus, there are (1) plants solely engaged in producing electronic components; (2) plants producing electronic components and assembling them into finished products; and (3) plants which assemble components produced elsewhere either in other plants of the same company or by other companies.

3651--RADIO AND TELEVISION RECEIVING SETS, EXCEPT COMMUNICATIONS TYPE

This industry comprises establishments primarily engaged in manufacturing electronic equipment for home entertainment. This industry also includes establishments primarily engaged in manufacturing public address systems and music distribution apparatus, except records. Establishments primarily engaged in manufacturing records are classified in industry 3652; radio and television receiving-type tubes in industry 3671; and television receiving-type cathode ray tubes in industry 3672. For a detailed list of products of industry 3651, refer to table 6A-1, product codes 3651101 to 3651590.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Radio and TV Receiving Sets Industry in 1967 totaled $3,846 million. This included shipments of radio and TV receiving sets (primary products), valued at $3,518 million, shipments of other products (secondary products) valued at $214 million, and miscellaneous receipts (mainly products bought and resold) of $115 million.

This industry's shipments of radio and TV receiving sets (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent. Secondary products shipped by this industry in 1967 included electronic components, not elsewhere classified ($61 million), and radio and TV communication equipment ($48 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 66 percent of the total industry shipments are represented by plants specializing in product class 36512, Household television receiving, including television combinations.

Industry 3651 shipments of radio and TV receiving sets (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $3,568 million shipped by all industries. In 1963, the coverage ratio was 96 percent. Other industries shipping radio and TV receiving sets (primary products) included industry 3679, Electronic Components, N.E.C., $19 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other government agencies and the remaining statistics estimated from industry averages. For industry 3651, these establishments accounted for approximately 0.2 percent of payroll and value added by manufacture.

3652--PHONOGRAPH RECORDS

The Phonograph Records Industry includes establishments primarily engaged in manufacturing phonograph records and prerecorded magnetic tape. Establishments primarily engaged in manufacturing electronic equipment for home entertainment, except records and prerecorded magnetic tape, are classified in industry 3651. For a detailed list of products of industry 3652, refer to table 6A-1, product codes 3652022 to 3652091.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Phonograph Records Industry in 1967 totaled $276 million. This included shipments of phonograph records (primary products), valued at $268 million, shipments of other products (secondary products) valued at $1 million, and miscellaneous receipts (mainly products bought and resold) of $7 million.

This industry's shipments of phonograph records (primary products) in 1967 represented 99 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 99 percent.

Industry 3652 shipments of phonograph records (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $271 million shipped by all industries. In 1963, the coverage ratio was 97 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3652, these establishments accounted for 3 percent of payroll and 4 percent of value added by manufacture.

3661--TELEPHONE AND TELEGRAPH APPARATUS

The Telephone and Telegraph Apparatus Industry includes establishments primarily engaged in manufacturing wire telephone and telegraph equipment and parts especially designed for telephone and telegraph use.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Data on cost of materials and value of shipments of the Telephone and Telegraph Apparatus Industry include extensive duplication resulting from the transfer of products such as telephone and telegraph components to establishments producing complete telephone and telegraph equipment. The value of such shipments are duplicated in the total value of shipments. A corresponding duplication enters into the total cost of materials. The data shown for value added by manufacture (value of shipments less cost of materials, etc.) avoid this duplication.

Value of shipments and other receipts of the Telephone and Telegraph Apparatus Industry in 1967 totaled $2,591 million. This included shipments of telephone and telegraph apparatus (primary products), valued at $2,165 million, shipments of other products (secondary products) valued at $298 million, and miscellaneous receipts of $128 million.

This industry's shipments of telephone and telegraph apparatus (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent. Secondary products shipped by this industry in 1967 included radio and TV communication equipment ($82 million), and electric components, n.e.c. ($48 million).

Industry 3661 shipments of telephone and telegraph apparatus (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $2,248 million shipped by all industries. In 1963, the coverage ratio was 95 percent. Other industries shipping telephone and telegraph apparatus (primary products) included industry 3662, Radio and TV Communications Equipment, $37 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3661, these establishments accounted for approximately 0.1 percent of payroll and value added by manufacture.

3662--RADIO AND TELEVISION TRANSMITTING, SIGNALING, AND DETECTION EQUIPMENT AND APPARATUS

The Radio and Television Transmitting, Signaling, and Detection Equipment and Apparatus Industry includes establishments primarily engaged in manufacturing (1) radio and television broadcasting equipment; (2) electric communication equipment and parts, except telephone and telegraph; (3) electronic field detection apparatus, light and heat emission operating apparatus, object detection apparatus and navigational electronic equipment, and aircraft and missile control systems; and (4) high energy particle accelerator systems and equipment designed and sold as a complete package for radiation therapy, irradiation,

radiographic inspection, and research (linear accelerators, betatrons, dynamotrons, Vandergraff generators, resonant transformers, insulating core transformers, etc.); (5) high energy particle electronic equipment and accessories sold separately for the construction of linear accelerators, cyclotrons, synchrotrons, and other high energy research installations (transmitters/modulators, accelerating waveguide structures, pulsed electron guns, vacuum systems, cooling systems, etc.); (6) other electric and electronic communication and signaling products, not elsewhere classified. Establishments primarily engaged in manufacturing transmitting tubes are classified in industry 3673. For a detailed list of products of industry 3662, refer to table 6A-2, product codes 3662121 to 3662812.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Radio and TV Communication Equipment Industry in 1967 totaled $8,556 million. This included shipments of radio and TV communications equipment (primary products), valued at $6,706 million, shipments of other products (secondary products) valued at $834 million, and miscellaneous receipts of $1,015 million.

This industry's shipments of radio and TV communication equipment (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 included engineering and scientific instruments ($118 million), and electronic components, n.e.c. ($101 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 23 percent of the total industry shipments are represented by plants specializing in product class 36621, Commercial, industrial, and military electronic communication equipment, except telephone communication equipment; and 23 percent in 36625, Electronic search and detection apparatus including radar infrared and sonar.

Industry 3662 shipments of radio and TV communications equipment (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $7,455 million shipped by all industries. In 1963, the coverage ratio was 91 percent. Other industries shipping radio and TV communications equipment (primary products) consisted mainly of industry 1925, Complete Guided Missiles, $111 million; and industry 3729, Aircraft Equipment, N.E.C., $96 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3662, these establishments accounted for approximately 0.1 percent of payroll and value added by manufacture.

3671--RADIO AND TELEVISION RECEIVING TYPE ELECTRON TUBES, EXCEPT CATHODE RAY

The Radio and Television Receiving Type Electron Tubes, Except Cathode Ray Industry includes establishments primarily engaged in manufacturing radio and television receiving type electron tubes, except cathode ray tubes. Establishments primarily engaged in manufacturing television receiving type cathode ray tubes are classified in industry 3672; transmitting tubes in industry 3673; X-ray tubes in industry 3693; and electronic equipment for home entertainment, except tubes, in industry 3651. For a detailed list of products of industry 3671, refer to table 6A-2, product codes 3671011 to 3671015.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electron Tubes, Receiving Type, Industry in 1967 totaled $301 million. This included shipments of receiving type electron tubes (primary products), valued at $238 million, shipments of other products (secondary products) valued at $41 million, and miscellaneous receipts (mainly products bought and resold) of $22 million.

This industry's shipments of receiving type electron tubes (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent. Secondary products shipped by this industry in 1967 consisted mainly of transmitting, industrial, and special purpose electron tubes (except X-ray) $22 million.

Industry 3671 shipments of receiving type electron tubes (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $253 million shipped by all industries. In 1963, the coverage ratio was 95 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3671, these establishments accounted for approximately 0.2 percent of payroll and 0.1 percent of value added by manufacture.

3672--CATHODE RAY PICTURE TUBES

The Cathode Ray Picture Tubes Industry includes establishments primarily engaged in manufacturing television receiving type cathode ray tubes. Establishments primarily engaged in manufacturing other radio and television receiving type electron tubes are classified in industry 3671; and transmitting tubes in industry 3673. For a detailed list of products of industry 3672, refer to table 6A-2, product codes 3672013 to 3672015.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Cathode Ray Picture Tubes Industry in 1967 totaled $832 million. This included shipments of cathode ray picture tubes (primary products), valued at $752 million, shipments of other products (secondary products) valued at $65 million, and miscellaneous receipts of $16 million.

This industry's shipments of cathode ray picture tubes (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was between 85 and 90 percent.

Industry 3672 shipments of Cathode ray picture tubes (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $766 million shipped by all industries. In 1963, the coverage ratio was 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3672, these establishments accounted for approximately 0.1 percent of payroll and value added by manufacture.

3673--TRANSMITTING, INDUSTRIAL, AND SPECIAL PURPOSE ELECTRON TUBES

The Transmitting, Industrial, and Special Purpose Electron Tubes, Industry includes establishments primarily engaged in manufacturing transmitting, industrial, and special purpose electron tubes. Establishments primarily engaged in manufacturing radio and television transmitting equipment are classified in industry 3662; radio and television receiving tubes in industry 3671; television receiving type cathode ray tubes in industry 3672; and X-ray tubes in industry 3693. For a detailed list of products of industry 3673, refer to table 6A-2, product codes 3673011 to 3673096.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electron Tubes, Transmitting, Industry in 1967 totaled $369 million. This included shipments of electron tubes, transmitting (primary products), valued at $261 million, shipments of other products (secondary products) valued at $67 million, and miscellaneous receipts (mainly products bought and resold) of $41 million.

This industry's shipments of electron tubes, transmitting (primary products) in 1967 represented 79 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80 percent.

Industry 3673 shipments of electron tubes, transmitting (primary products) in 1967 represented 72 percent (coverage ratio) of these products valued at $362 million shipped by all industries. In 1963, the coverage ratio was 75 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3673, these establishments accounted for approximately 0.1 percent of payroll and value added by manufacture.

3674--SEMICONDUCTORS AND RELATED DEVICES

The Semiconductors and Related Devices Industry includes establishments primarily engaged in manufacturing semiconductor and related solid state devices, such as semiconductor diodes and stacks, including rectifiers, integrated microcircuits (semiconductors networks), transistors, solar cells, and light sensitive semiconductor (solid state) devices. For a detailed list of products of industry 3674, refer to table 6A-2, product codes 3674113 to 3674996.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been slightly changed from the classification system used in 1963. The composition of the industry as now constituted, compared with that under the classification system followed in the 1963 Census, is due principally to the addition of integrated microcircuits (semiconductor networks), which were formerly included in industry 3679, Electronic Components, N.E.C.

Value of shipments and other receipts of the Semiconductors Industry in 1967 totaled $1,141 million. This included shipments of semiconductors (primary products), valued at $1,015 million, shipments of other products (secondary products) valued at $88 million, and miscellaneous receipts of $39 million.

This industry's shipments of semiconductors (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 consisted mainly of Electronic Components, N.E.C. ($67 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 52 percent of the total industry shipments are represented by plants specializing in product class 36742, Transistors; and 24 percent in 36743, Diodes and rectifiers.

Industry 3674 shipments of semiconductors (primary products) in 1967 represented 87 percent (coverage ratio) of these products valued at $1,162 million shipped by all industries. In 1963, the coverage ratio was 92 percent. Other industries shipping semiconductors (primary products) consisted mainly of industry 3679, Electronic Components, N.E.C., $79 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3674, these establishments accounted for approximately 0.1 percent of payroll and value added by manufacture.

3679--ELECTRONIC COMPONENTS AND ACCESSORIES, NOT ELSEWHERE CLASSIFIED

The Electronic Components and Accessories, Not Elsewhere Classified, Industry includes establishments primarily engaged in manufacturing specialty resistors for electronic end products; electronic inductors, transformers, and capacitors; and other electronic components, not elsewhere classified. Establishments primarily engaged in manufacturing resistors, inductors, and transformers for telephone and telegraph apparatus are classified in industry 3661; electric lamps in industry 3641; and semiconductor (solid state) and related devices in industry 3674. For a detailed list of products of industry 3679, refer to table 6A-2, product codes 3679221 to 3679596.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been slightly changed from the classification system used in 1963. The composition of the industry as now constituted, compared with that under the classification system followed in the 1963 Census, is due principally to the loss of integrated microcircuits (semiconductor networks), which are currently included in industry 3674, Semiconductors.

Value of shipments and other receipts of the Electronic Components, N.E.C., Industry in 1967 totaled $4,809 million. This included shipments of electronic components, n.e.c. (primary products), valued at $3,777 million, shipments of other products (secondary products) valued at $752 million, and miscellaneous receipts (mainly products bought and resold) of $281 million.

This industry's shipments of electronic components, n.e.c. (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3679 shipments of electronic components, n.e.c. (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $4,420 million shipped by all industries. In 1963, the coverage ratio was 78 percent. Other industries shipping electronic components, n.e.c. (primary products) included industry 3662, Radio and TV Communications Equipment, $101 million; and industry 3674, Semiconductors, $67 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3679, these establishments accounted for approximately 0.5 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3651.--RADIO AND TV RECEIVING SETS														
1967 Census....	340	187	116.7	643.6	96.2	183.4	462.6	1,404.5	2,486.0	3,846.3	86.1	726.0	94	99
1966 ASM[1].....	(NA)	(NA)	130.2	679.4	109.8	214.0	509.8	1,685.1	2,602.1	4,117.4	121.1	756.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	100.1	535.1	83.1	166.2	393.2	1,249.4	1,983.1	3,207.5	58.8	459.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	86.5	440.6	70.9	139.8	312.7	983.4	1,529.3	2,509.7	33.3	397.8	(NA)	(NA)
1963 Census....	348	178	81.3	411.9	66.5	128.5	289.3	912.0	1,389.4	2,254.9	30.5	381.4	91	96
1962 ASM[1].....	(NA)	(NA)	83.0	408.3	66.1	127.2	273.3	869.0	1,306.6	2,128.9	27.1	328.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	76.8	370.0	59.6	112.1	239.3	728.8	1,105.9	1,849.2	*28.7	283.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	71.7	340.6	56.3	108.5	222.3	694.3	1,036.0	1,719.3	19.6	277.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	74.9	339.4	60.2	116.2	231.7	727.1	1,079.1	1,781.1	16.6	264.1	(NA)	(NA)
1958 Census[2]...	234	144	66.5	292.7	52.0	100.5	196.6	594.0	936.3	1,548.0	13.3	225.9	91	90
INDUSTRY 3652.--PHONOGRAPH RECORDS														
1967 Census....	[3]321	73	13.6	76.6	11.0	22.2	54.0	182.3	95.2	276.4	7.1	38.7	99	96
1966 ASM[1].....	(NA)	(NA)	11.0	57.8	9.1	18.0	43.0	156.2	68.4	218.4	7.6	32.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	10.1	52.2	8.3	16.8	37.5	140.7	64.1	201.4	7.3	24.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	9.9	47.9	8.0	15.9	35.0	152.4	56.8	207.2	8.1	20.2	(NA)	(NA)
1963 Census....	167	60	9.6	47.0	7.6	15.0	33.0	125.4	54.1	180.2	8.7	19.9	99	97
1962 ASM[1].....	(NA)	(NA)	9.2	45.3	7.1	14.4	31.5	126.3	62.5	189.3	3.1	18.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.4	39.6	6.6	13.1	27.8	109.5	54.5	165.5	3.5	17.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.2	37.4	6.5	13.3	26.3	99.6	54.8	154.9	5.6	21.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.6	35.2	6.0	12.5	25.2	91.9	58.4	150.6	4.3	21.3	(NA)	(NA)
1958 Census[2]...	94	53	7.4	33.4	5.9	12.2	23.7	93.1	58.7	148.7	4.0	20.3	97	98
INDUSTRY 3661.--TELEPHONE AND TELEGRAPH APPARATUS														
1967 Census....	106	63	115.4	827.9	83.2	158.8	534.4	1,536.7	[4]1,082.7	[4]2,591.2	110.9	536.4	[5]88	[5]96
1966 ASM[1].....	(NA)	(NA)	112.7	780.4	82.1	158.4	507.3	1,431.8	[4]1,068.9	[4]2,467.0	109.7	485.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	102.2	705.4	75.3	150.1	469.3	1,361.5	[4]966.4	[4]2,272.6	89.9	418.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	94.0	630.0	67.6	132.3	409.8	1,128.6	[4]826.2	[4]1,954.3	53.5	361.7	(NA)	(NA)
1963 Census....	90	56	89.5	554.4	64.0	122.7	358.7	1,013.8	[4]704.2	[4]1,736.4	55.1	331.4	[5]95	[5]95
1962 ASM[1].....	(NA)	(NA)	98.7	620.7	68.2	136.0	378.0	1,024.7	[4]794.7	[4]1,883.6	77.4	356.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	92.2	562.2	62.4	124.2	339.1	1,004.1	[4]690.6	[4]1,680.4	65.3	393.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	87.5	529.7	61.1	124.0	329.5	845.9	[4]629.4	[4]1,484.5	78.2	347.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	80.4	464.1	56.1	111.8	286.9	798.0	[4]527.1	[4]1,295.2	*72.0	328.9	(NA)	(NA)
1958 Census[2]...	91	51	80.1	430.7	54.3	105.5	268.9	715.5	[4]469.7	[4]1,208.0	102.8	288.9	[5]96	[5]99
INDUSTRY 3662.--RADIO AND TV COMMUNICATION EQUIPMENT														
1967 Census....	1,296	782	409.9	3,568.8	221.3	447.6	1,515.6	5,455.8	3,433.4	8,555.8	246.0	2,114.9	89	90
1966 ASM[1].....	(NA)	(NA)	373.4	3,086.8	205.1	415.5	1,335.6	4,855.3	3,032.0	7,562.6	187.9	1,745.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	352.9	2,813.9	185.7	378.7	1,179.3	4,349.1	2,568.3	6,861.6	147.6	1,430.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	353.3	2,638.7	181.7	367.6	1,170.1	4,258.1	2,318.0	6,510.2	124.5	1,301.4	(NA)	(NA)
1963 Census....	1,132	635	387.4	2,840.2	205.7	419.1	1,230.7	4,327.7	2,822.9	7,145.6	138.7	1,331.9	88	91
1962 ASM[1].....	(NA)	(NA)	348.4	2,575.8	178.1	380.7	1,207.6	3,914.7	2,900.2	6,663.7	114.3	993.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	307.7	2,162.5	150.0	326.3	915.9	3,160.6	2,578.5	5,682.5	112.9	806.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	239.7	1,602.6	127.1	277.8	738.6	2,399.5	2,143.7	4,458.3	97.9	659.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	187.1	1,186.9	107.9	220.7	568.9	1,831.1	1,788.8	3,540.8	79.5	550.5	(NA)	(NA)
1958 Census[2]...	519	270	154.3	924.1	88.5	178.3	433.6	1,558.3	1,274.7	2,852.6	56.1	471.3	86	83
INDUSTRY 3671.--ELECTRON TUBES, RECEIVING TYPE														
1967 Census....	39	19	21.0	118.3	18.0	32.4	85.9	224.7	72.8	300.6	7.0	27.9	85	94
1966 ASM[1].....	(NA)	(NA)	24.3	140.8	20.7	41.2	103.4	243.7	86.3	336.1	8.3	28.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	22.3	123.7	18.3	35.3	86.2	214.3	74.5	294.2	6.9	35.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	21.9	118.6	17.9	33.5	79.1	202.3	68.0	279.9	4.2	40.7	(NA)	(NA)
1963 Census....	42	22	25.8	136.8	20.4	37.7	88.5	250.7	76.1	321.1	5.6	53.3	89	95
1962 ASM[1].....	(NA)	(NA)	26.6	134.6	21.4	40.4	92.6	239.1	72.5	310.2	5.3	39.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	27.2	131.7	21.7	39.6	88.0	230.9	79.9	313.9	8.3	42.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	36.2	162.1	29.2	51.3	107.3	300.0	103.5	397.0	14.7	55.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	37.4	163.2	30.4	56.1	113.3	323.8	106.0	422.1	12.2	54.3	(NA)	(NA)
1958 Census[2]...	85	41	37.0	149.5	30.9	57.3	110.7	285.8	92.3	382.5	11.5	44.6	89	96

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3672.--CATHODE RAY PICTURE TUBES														
1967 Census....	99	23	27.6	172.5	19.9	40.0	107.4	462.5	357.6	832.3	46.0	85.3	92	98
1966 ASM[1].....	(NA)	(NA)	24.7	156.8	19.6	42.7	111.1	472.5	366.1	812.4	72.5	88.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	14.3	96.7	10.8	23.8	61.7	273.6	187.7	458.7	42.2	35.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	11.3	73.7	8.1	18.0	43.9	162.0	148.1	308.9	18.8	24.7	(NA)	(NA)
1963 Census....	151	28	10.9	66.9	8.0	16.6	40.5	128.4	142.1	269.1	16.1	23.2	85-90	90
1962 ASM[1].....	(NA)	(NA)	6.8	40.2	5.4	11.2	27.5	63.4	104.3	167.9	3.7	13.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	7.5	41.1	6.1	12.5	28.7	84.1	103.1	183.5	*4.7	20.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.0	43.0	6.6	13.3	31.0	77.1	104.0	179.9	3.1	18.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.6	40.3	6.1	12.8	28.8	82.5	100.2	183.2	(S)	21.6	(NA)	(NA)
1958 Census[2]...	75	30	8.6	38.1	7.0	14.2	27.6	67.5	92.0	159.3	1.8	17.5	96	84
INDUSTRY 3673.--ELECTRON TUBES, TRANSMITTING														
1967 Census....	56	38	18.2	145.8	12.6	26.1	84.0	239.6	128.5	369.4	13.1	84.7	79	72
1966 ASM[1].....	(NA)	(NA)	19.5	150.9	13.3	26.5	86.3	251.9	127.6	369.9	18.4	88.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.4	135.4	11.4	23.3	73.3	210.5	102.7	306.3	10.6	74.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	16.7	120.4	10.5	21.6	67.4	192.4	87.2	280.0	9.8	67.5	(NA)	(NA)
1963 Census....	57	45	18.7	129.3	11.6	24.0	72.4	204.6	96.3	299.5	13.3	74.2	80	75
1962 ASM[1].....	(NA)	(NA)	25.0	157.4	15.2	31.1	84.5	276.8	131.6	404.9	18.6	87.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	23.3	140.8	14.2	29.1	75.5	225.2	112.9	335.5	16.7	84.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	22.3	125.5	13.7	27.7	66.5	203.5	100.4	292.8	20.2	81.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	22.7	123.2	14.5	29.7	69.3	201.3	98.5	291.9	11.8	70.3	(NA)	(NA)
1958 Census[2]...	48	44	20.1	102.1	14.5	29.5	65.1	165.8	90.7	258.5	9.0	59.9	83	81
INDUSTRY 3674.--SEMICONDUCTORS														
1967 Census....	177	117	85.4	545.1	57.9	118.1	307.3	820.2	337.6	1,141.0	131.1	214.1	92	87
1966 ASM[1].....	(NA)	(NA)	82.2	494.2	59.1	118.1	274.3	835.3	316.7	1,123.7	123.6	189.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	67.4	401.4	48.7	98.9	228.0	680.1	241.5	911.7	61.3	149.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	55.3	327.2	37.9	77.4	176.0	514.8	205.1	716.4	43.4	124.7	(NA)	(NA)
1963 Census[2]...	107	87	56.3	320.9	37.5	77.1	168.5	467.0	199.4	687.8	52.4	118.2	88	92
1962 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	48	42	23.4	113.0	17.6	34.7	65.9	186.8	75.5	250.3	16.2	(NA)	(NA)	(NA)
INDUSTRY 3679.--ELECTRONIC COMPONENTS, N.E.C.														
1967 Census....	2,068	1,213	251.3	1,453.6	185.0	359.6	864.3	2,612.2	2,234.1	4,809.4	176.1	873.8	83	85
1966 ASM[1].....	(NA)	(NA)	233.8	1,255.7	185.3	373.9	805.7	2,419.2	1,684.0	4,001.8	171.7	706.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	199.2	1,029.1	152.9	308.4	655.9	1,890.3	1,301.8	3,075.0	142.4	534.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	165.2	871.6	124.4	252.3	551.1	1,423.7	912.7	2,328.1	135.8	419.9	(NA)	(NA)
1963 Census....	1,934	968	176.7	881.9	133.4	261.7	550.8	1,457.4	889.5	2,332.2	88.5	392.0	89	78
1962 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[6].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	1,431	695	108.9	451.0	85.3	166.7	361.4	728.0	473.5	1,195.4	35.7	(NA)	(NA)	(NA)

Note: In 1967, 1963, and 1958, the number of companies in industry 3651 was 303, 322, and 216, respectively; in industry 3652: 306, 128, and 85; industry 3661: 82, 65, and 67; industry 3662: 1,111, 1,001, and 472; industry 3671: 28, 30, and 71; industry 3672: 95, 148, and 72; industry 3673: 43, 45, and 40; industry 3674: 141, 86, and (NA); industry 3679: 1,775, 1,743, and (NA). The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Some of the small establishments in this industry may have been misclassified as to industry. This does not significantly affect the statistics other than the number of establishments or number of companies. (See paragraph in Introduction: "Industry Classification of Establishments" for further explanation.)

[4]The value of shipments and cost of materials for this industry include extensive duplication arising from shipments between establishments in the same industry classifications. See footnote (2), table 6A.1 for an approximation of interplant transfers of products classified in this industry. For further explanation see text.

[5]The exact figures shown, while correct to the extent that they are mathematical calculations, are not very meaningful because of extensive duplication in the value of shipments. See introductory text for this industry.

[6]Industry 3674 was included with industry 3679 in the 1958 Census of Manufactures. Accordingly, no estimates are available for 1959-1962. The figures for 1958 are based on a special tabulation.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3651.--RADIO AND TV RECEIVING SETS								
1967 Census	5,515	82	1,906	2.52	.65	.81	12,035	46	7.66
1966 ASM	5,219	84	1,949	2.38	.63	.80	12,865	41	7.83
1965 ASM	5,344	83	2,000	2.37	.62	.79	12,477	43	7.52
1964 ASM	5,094	82	1,972	2.24	.61	.78	11,369	45	7.04
1963 Census	5,069	82	1,931	2.25	.62	.80	11,222	45	7.10
1962 ASM	4,923	80	1,926	2.15	.61	.81	10,476	47	6.83
1961 ASM	4,815	78	1,882	2.14	.60	.80	9,485	51	6.50
1960 ASM	4,748	78	1,928	2.05	.60	.80	9,678	49	6.40
1959 ASM	4,533	80	1,931	1.99	.61	.80	9,711	47	6.26
1958 Census	4,401	78	1,931	1.96	.60	.79	8,931	49	5.91
	INDUSTRY 3652.--PHONOGRAPH RECORDS								
1967 Census	5,632	81	2,018	2.43	.34	.62	13,404	42	8.21
1966 ASM	5,260	82	1,991	2.38	.31	.58	14,201	37	8.66
1965 ASM	5,166	82	2,036	2.23	.32	.58	13,930	37	8.37
1964 ASM	4,862	82	1,984	2.19	.27	.51	15,464	31	9.56
1963 Census	4,917	79	1,985	2.20	.30	.56	13,124	37	8.35
1962 ASM	4,942	77	2,040	2.18	.33	.57	13,782	36	8.76
1961 ASM	4,724	79	1,993	2.12	.33	.57	13,054	36	8.33
1960 ASM	4,582	79	2,054	1.98	.35	.60	12,194	38	7.51
1959 ASM	4,632	79	2,083	2.01	.39	.62	12,107	38	7.33
1958 Census	4,498	79	2,075	1.95	.39	.62	12,543	36	7.66
	INDUSTRY 3661.--TELEPHONE AND TELEGRAPH APPARATUS								
1967 Census	7,174	72	1,909	3.37	.42	.74	13,316	54	9.68
1966 ASM	6,927	73	1,929	3.20	.43	.75	12,709	55	9.04
1965 ASM	6,901	74	1,995	3.13	.43	.74	13,318	52	9.07
1964 ASM	6,703	72	1,957	3.10	.42	.75	12,008	56	8.53
1963 Census	6,197	72	1,918	2.92	.41	.72	11,332	55	8.26
1962 ASM	6,291	69	1,995	2.78	.42	.75	10,384	61	7.53
1961 ASM	6,095	68	1,988	2.73	.41	.75	10,887	56	8.09
1960 ASM	6,055	70	2,030	2.66	.42	.78	9,669	63	6.82
1959 ASM	5,774	70	1,992	2.57	.41	.77	9,927	58	7.14
1958 Census	5,380	68	1,942	2.55	.39	.75	8,937	60	6.78
	INDUSTRY 3662.--RADIO AND TV COMMUNICATION EQUIPMENT								
1967 Census	8,708	54	2,025	3.38	.40	.82	13,342	65	12.20
1966 ASM	8,195	55	1,995	3.19	.40	.81	12,890	64	11.69
1965 ASM	7,973	53	2,040	3.11	.37	.78	12,323	65	11.48
1964 ASM	7,469	51	2,023	3.18	.36	.76	12,052	62	11.58
1963 Census	7,332	53	2,038	2.94	.40	.79	11,172	66	10.33
1962 ASM	7,393	51	2,137	3.17	.44	.82	11,236	66	10.28
1961 ASM	7,029	49	2,176	2.81	.45	.83	10,273	68	9.69
1960 ASM	6,685	53	2,186	2.66	.48	.84	10,009	67	8.64
1959 ASM	6,343	58	2,045	2.58	.51	.84	9,785	65	8.30
1958 Census	5,987	57	2,014	2.43	.45	.77	10,096	59	8.74
	INDUSTRY 3671.--ELECTRON TUBES, RECEIVING TYPE								
1967 Census	5,633	86	1,800	2.65	.24	.64	10,700	53	6.94
1966 ASM	5,802	85	1,987	2.51	.26	.68	10,042	58	5.92
1965 ASM	5,550	82	1,992	2.44	.25	.67	9,610	58	6.08
1964 ASM	5,406	81	1,876	2.36	.24	.67	9,222	59	6.04
1963 Census	5,291	79	1,850	2.35	.24	.66	9,698	55	6.65
1962 ASM	5,066	80	1,892	2.29	.23	.67	8,998	56	5.91
1961 ASM	4,845	80	1,822	2.22	.25	.67	8,496	57	5.84
1960 ASM	4,479	81	1,756	2.09	.26	.67	8,291	54	5.84
1959 ASM	4,364	81	1,848	2.02	.25	.64	8,660	50	5.77
1958 Census	4,045	84	1,852	1.93	.24	.63	7,731	52	4.99
	INDUSTRY 3672.--CATHODE RAY PICTURE TUBES								
1967 Census	6,250	72	2,010	2.68	.43	.64	16,757	37	11.56
1966 ASM	6,338	79	2,181	2.60	.45	.64	19,101	33	11.06
1965 ASM	6,766	75	2,208	2.60	.41	.62	19,136	35	11.50
1964 ASM	6,536	71	2,230	2.44	.48	.72	14,365	46	9.02
1963 Census	6,128	73	2,090	2.43	.53	.78	11,758	52	7.72
1962 ASM	5,906	80	2,057	2.46	.62	.86	9,312	63	5.68
1961 ASM	5,476	81	2,047	2.30	.56	.79	11,213	49	6.74
1960 ASM	5,364	82	2,024	2.32	.58	.82	9,609	56	5.77
1959 ASM	5,270	80	2,093	2.25	.55	.77	10,785	49	6.42
1958 Census	4,453	81	2,039	1.94	.58	.82	7,888	56	4.76

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3673.--ELECTRON TUBES, TRANSMITTING								
1967 Census	8,011	69	2,071	3.22	.35	.74	13,165	61	9.18
1966 ASM	7,743	68	2,000	3.25	.34	.75	12,931	60	9.50
1965 ASM	7,791	65	2,049	3.15	.34	.78	12,107	64	9.03
1964 ASM	7,219	63	2,048	3.12	.31	.74	11,531	63	8.91
1963 Census	6,913	62	2,066	3.01	.32	.75	10,940	63	8.52
1962 ASM	6,291	61	2,046	2.72	.33	.71	11,060	57	8.89
1961 ASM	6,051	61	2,039	2.60	.34	.76	9,680	63	7.75
1960 ASM	5,634	61	2,025	2.41	.34	.77	9,136	62	7.35
1959 ASM	5,436	64	2,049	2.34	.34	.76	8,886	61	6.78
1958 Census	5,070	72	2,036	2.21	.35	.75	8,230	62	5.63
	INDUSTRY 3674.--SEMICONDUCTORS								
1967 Census	6,383	68	2,040	2.60	.30	.77	9,596	67	6.94
1966 ASM	6,011	72	1,999	2.32	.28	.72	10,159	59	7.07
1965 ASM	5,956	72	2,032	2.30	.26	.71	10,091	59	6.88
1964 ASM	5,920	69	2,040	2.27	.29	.74	9,312	64	6.65
1963 Census	5,694	67	2,054	2.19	.29	.76	8,288	69	6.06
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	4,835	75	1,968	1.90	.30	.75	7,993	60	5.38
	INDUSTRY 3679.--ELECTRONIC COMPONENTS, N.E.C.								
1967 Census	5,784	74	1,944	2.40	.46	.77	10,396	56	7.26
1966 ASM	5,370	79	2,018	2.15	.40	.72	10,603	51	6.63
1965 ASM	5,166	77	2,019	2.12	.40	.74	9,690	53	6.25
1964 ASM	5,277	75	2,029	2.18	.39	.77	8,620	61	5.64
1963 Census	4,991	75	1,962	2.10	.38	.76	8,248	61	5.57
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	4,143	78	1,955	1.81	.40	.77	6,687	62	4.37

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3651-- RADIO AND TV RECEIVING SETS													
UNITED STATES	340	187	116.7	643.6	96.2	183.4	462.6	1 404.5	2 486.0	3 846.3	86.1	81.3	912.0
NORTHEAST REGION	119	61	28.2	169.1	21.9	42.4	111.8	297.3	520.6	818.0	24.5	23.4	256.4
NEW ENGLAND DIVISION	25	10	2.8	13.4	2.3	4.3	9.6	34.3	43.7	77.4	.4	2.2	18.5
MASSACHUSETTS	14	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	10	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.2
MIDDLE ATLANTIC DIVISION	94	51	25.4	155.7	19.6	38.1	102.3	263.0	476.8	740.5	24.1	21.2	237.9
NEW YORK	67	35	14.9	94.0	11.2	21.8	59.5	143.0	261.4	402.3	11.4	13.2	158.5
NEW JERSEY	18	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	9	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	125	82	65.7	364.0	56.5	106.6	282.0	767.2	1 416.6	2 161.6	44.5	(D)	(D)
EAST NORTH CENTRAL DIVISION	109	70	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	45.8	513.3
OHIO	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	59	43	38.1	205.4	33.1	62.7	162.6	383.3	838.5	1 232.2	15.6	29.0	301.2
MICHIGAN	17	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	8.4
WISCONSIN	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	16	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	6	6	2.0	8.0	1.7	3.2	6.0	13.3	17.1	30.1	(D)	1.2	7.8
MISSOURI	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	39	23	18.0	82.0	14.4	27.7	54.0	284.9	500.9	766.5	15.5	(D)	(D)
SOUTH ATLANTIC DIVISION	12	7	4.4	22.5	3.8	7.6	16.4	54.0	84.9	133.6	8.2	(D)	(D)
MARYLAND	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	9	7	8.5	38.5	6.6	12.6	24.0	195.6	342.3	534.4	4.9	(D)	(D)
KENTUCKY	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION[e]	18	9	5.1	21.0	4.1	7.4	13.5	35.3	73.7	98.6	2.4	(D)	(D)
ARKANSAS[e]	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
OKLAHOMA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
TEXAS[e]	11	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST REGION[e]	57	21	4.7	28.4	3.3	6.7	14.8	55.0	47.9	100.2	1.5	4.3	42.1
PACIFIC DIVISION[e]	49	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA[e]	48	20	4.6	28.1	3.3	6.7	14.6	54.5	47.4	99.1	(D)	4.2	41.9
3652-- PHONOGRAPH RECORDS													
UNITED STATES	321	73	13.6	76.6	11.0	22.2	54.0	182.3	95.2	276.4	7.1	9.6	125.4
NORTHEAST REGION	146	38	6.1	33.5	5.1	10.2	25.2	81.7	51.1	130.1	2.6	4.9	50.5
MIDDLE ATLANTIC DIVISION	136	34	6.0	32.8	5.0	10.0	24.7	79.4	49.7	126.4	2.5	4.2	45.8
NEW YORK[e]	89	12	1.4	7.4	1.2	2.4	5.9	20.0	12.1	31.8	.6	.8	5.0
NEW JERSEY	29	17	3.6	19.5	3.0	5.8	14.0	52.0	29.7	79.3	1.8	[2](D)	[2](D)
PENNSYLVANIA	18	5	1.0	5.8	.9	1.8	4.8	7.4	7.9	15.3	.2	[2](D)	[2](D)
NORTH CENTRAL REGION	40	13	4.8	27.1	3.7	7.5	17.2	62.5	24.3	88.3	2.7	(D)	(D)
EAST NORTH CENTRAL DIVISION	34	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	48.1
INDIANA	3	3	3.7	22.2	2.7	5.7	13.5	53.9	16.4	71.9	(D)	(D)	(D)
ILLINOIS	18	6	.8	3.6	.7	1.3	2.8	5.5	6.2	11.6	.7	.3	2.1
MICHIGAN	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	57	6	.4	2.4	.4	.8	1.9	5.4	3.9	9.3	.3	(D)	(D)
EAST SOUTH CENTRAL DIVISION	22	3	.2	1.3	.2	.4	1.1	2.4	2.6	5.0	.2	(D)	(D)
TENNESSEE	18	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	78	16	2.2	13.6	1.8	3.7	9.7	32.7	15.9	48.7	1.5	1.6	24.0
PACIFIC DIVISION	72	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	68	15	2.2	13.4	1.8	3.6	9.5	32.3	15.6	48.0	(D)	1.6	23.8
3661-- TELEPHONE AND TELEGRAPH APPARATUS													
UNITED STATES	106	63	115.4	827.9	83.2	158.8	534.4	1 536.7	1 082.7	2 591.2	110.9	89.5	1013.8
NORTHEAST REGION	40	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	26.5	276.1
NEW ENGLAND DIVISION	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.5	114.5
MASSACHUSETTS	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
CONNECTICUT	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MIDDLE ATLANTIC DIVISION	31	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	16.0	161.1
NEW YORK	23	10	5.9	40.9	4.5	9.3	30.0	64.7	53.3	110.1	2.6	[2](D)	[2](D)
NEW JERSEY	5	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3661-- TELEPHONE AND TELEGRAPH APPARATUS--CONTINUED													
NORTH CENTRAL REGION	26	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	50.7	591.4
EAST NORTH CENTRAL DIVISION	23	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	3(D)
INDIANA	1	1	7.4	53.8	5.9	11.0	39.5	98.6	57.3	156.8	6.7	2 (D)	2 (D)
ILLINOIS	16	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
WISCONSIN	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
WEST NORTH CENTRAL DIVISION	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
NEBRASKA	1	1	3.8	26.9	3.1	5.9	19.7	51.2	47.2	98.4	2.0	2 (D)	2 (D)
KANSAS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	21	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.4	107.1
SOUTH ATLANTIC DIVISION	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	4.0	28.7	3.2	5.8	21.6	55.3	40.3	94.8	3.2	2(D)	2(D)
VIRGINIA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
NORTH CAROLINA	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	7	5	2.6	13.7	2.0	3.8	7.9	30.1	20.5	48.7	3.5	(D)	(D)
TENNESSEE	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
MISSISSIPPI	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST SOUTH CENTRAL DIVISION	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
LOUISIANA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	1	1	5.1	33.1	4.1	7.6	23.7	62.9	63.9	127.9	4.0	2(D)	2(D)
WEST REGION	19	9	4.2	30.8	2.4	5.3	16.1	69.0	33.2	99.8	1.4	2.9	39.1
PACIFIC DIVISION	19	9	4.2	30.8	2.4	5.3	16.1	69.0	33.2	99.8	1.4	2.9	39.1
OREGON	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
CALIFORNIA	17	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2 (D)
3662-- RADIO & TV COMMUNICATION EQUIPMENT													
UNITED STATES	1 296	782	409.9	3 568.8	221.3	447.6	1 515.6	5 455.8	3 433.4	8 555.8	246.0	387.4	4 327.7
NORTHEAST REGION	534	340	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	168.0	1 815.9
NEW ENGLAND DIVISION	161	110	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	41.0	450.0
MAINE	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
NEW HAMPSHIRE	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.2	26.0
MASSACHUSETTS	99	70	28.8	243.3	15.7	31.5	109.8	418.6	230.3	648.0	10.9	2(D)	2(D)
RHODE ISLAND	4	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
CONNECTICUT	43	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	66.1
MIDDLE ATLANTIC DIVISION	373	230	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	127.0	1 365.9
NEW YORK	182	116	63.2	600.3	31.1	62.9	228.4	823.6	498.6	1 313.5	27.9	(D)	(D)
NEW JERSEY	118	70	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2 (D)
PENNSYLVANIA	73	44	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2 (D)
NORTH CENTRAL REGION	229	122	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	58.1	618.4
EAST NORTH CENTRAL DIVISION	179	95	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	40	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2 (D)
INDIANA	23	14	6.4	53.8	3.6	7.1	19.0	70.5	48.6	116.8	3.3	2(D)	2 (D)
ILLINOIS	74	40	15.7	102.5	10.0	20.1	51.9	190.2	168.8	360.8	15.0	2(D)	2 (D)
MICHIGAN	35	16	3.1	21.1	1.8	3.7	11.3	45.1	37.6	82.5	3.1	2.0	18.3
WISCONSIN	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST NORTH CENTRAL DIVISION	50	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	14	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
IOWA	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
MISSOURI	16	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
NEBRASKA	4	4	.5	3.2	.3	.5	1.5	4.0	5.1	9.4	.2	.2	1.4
KANSAS	7	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
SOUTH REGION	188	125	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	61.6	724.1
SOUTH ATLANTIC DIVISION	106	74	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	34	27	20.1	181.4	9.5	19.5	64.3	216.6	155.3	372.4	9.1	2(D)	2(D)
VIRGINIA	15	13	6.8	49.0	4.4	8.8	26.5	97.4	53.7	155.2	2.9	5.1	59.7
WEST VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2(D)
NORTH CAROLINA	9	5	4.6	31.6	2.9	5.5	16.6	57.8	52.6	116.6	2.1	2(D)	2(D)
FLORIDA	38	24	14.2	104.3	7.5	15.3	42.9	168.1	91.7	246.1	10.3	10.1	112.9
EAST SOUTH CENTRAL DIVISION	15	10	6.5	47.1	3.9	7.5	20.7	82.5	76.9	162.1	3.9	(D)	(D)
KENTUCKY	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2 (D)	2 (D)
TENNESSEE	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
ALABAMA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST SOUTH CENTRAL DIVISION	67	41	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
OKLAHOMA	6	4	.9	6.0	.7	1.6	3.8	9.1	5.9	14.5	1.4	(D)	(D)
TEXAS	54	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.8	135.5
WEST REGION	345	195	102.2	969.1	53.8	108.5	401.5	1 511.0	726.5	2 063.6	47.0	99.7	1 169.3
MOUNTAIN DIVISION	36	20	8.3	66.9	5.6	11.0	35.3	119.1	67.9	175.9	3.5	4.6	43.6
COLORADO	9	4	.8	4.1	.6	1.2	2.8	6.0	9.5	14.3	.3	.2	1.1
NEW MEXICO	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.1
ARIZONA	13	8	5.6	51.5	3.3	6.7	24.2	83.8	38.4	114.7	3.0	3.2	36.4
UTAH	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
PACIFIC DIVISION	309	175	93.9	902.2	48.3	97.5	366.2	1 391.9	658.6	1 887.7	43.5	95.1	1 125.7
WASHINGTON	21	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	10.0
CALIFORNIA	282	165	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3671-- ELECTRON TUBES, RECEIVING TYPE													
UNITED STATES	39	19	21.0	118.3	18.0	32.4	85.9	224.7	72.8	300.6	7.0	25.9	250.7
NORTHEAST REGION	20	13	12.2	72.5	10.4	19.0	50.9	137.0	39.4	177.8	4.2	16.6	154.7
NEW ENGLAND DIVISION	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	18	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW JERSEY	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	6	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	3	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3672-- CATHODE RAY PICTURE TUBES													
UNITED STATES	99	23	27.6	172.5	19.9	40.0	107.4	462.5	357.6	832.3	46.0	10.9	128.4
NORTHEAST REGION	26	7	10.6	71.2	6.8	13.1	36.8	207.7	108.9	316.7	22.8	5.0	73.0
MIDDLE ATLANTIC DIVISION	23	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	9	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	34	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	27	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.4	51.4
OHIO	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	4	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3673-- ELECTRON TUBES, TRANSMITTING													
UNITED STATES	56	38	18.2	145.8	12.6	26.1	84.0	239.6	128.5	369.4	13.1	18.7	204.6
NORTHEAST REGION	27	20	7.7	59.0	5.3	10.7	33.3	101.4	71.3	171.1	4.8	9.0	93.5
NEW ENGLAND DIVISION	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	7	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	18	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.2	39.2
NEW JERSEY	11	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	12.8
PENNSYLVANIA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	7	3	.6	3.0	.5	.8	1.8	5.3	2.2	7.4	.2	(D)	(D)
EAST NORTH CENTRAL DIVISION	7	3	.6	3.0	.5	.8	1.8	5.3	2.2	7.4	.2	.4	2.7
ILLINOIS	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.7
SOUTH REGION	5	4	1.5	9.0	1.1	2.3	6.1	12.4	10.6	23.7	.7	(D)	(D)
SOUTH ATLANTIC DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	17	11	8.5	74.7	5.8	12.3	42.7	120.5	44.3	167.1	7.4	(D)	(D)
MOUNTAIN DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
UTAH	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	14	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.0	91.7
3674-- SEMICONDUCTORS													
UNITED STATES	177	117	85.4	545.1	57.9	118.1	307.3	820.2	337.6	1 141.0	131.1	56.3	467.0
NORTHEAST REGION	84	60	36.3	225.4	25.9	49.7	129.9	342.9	152.9	488.6	57.5	29.4	223.1
NEW ENGLAND DIVISION	37	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.1	59.5
MAINE	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW HAMPSHIRE	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)
MASSACHUSETTS	21	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.3	35.4
RHODE ISLAND	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3674-- SEMICONDUCTORS--CONTINUED													
NORTHEAST REGION--CONTINUED													
MIDDLE ATLANTIC DIVISION	47	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	19.3	163.6
NEW YORK	17	10	6.2	38.2	4.0	7.6	19.1	54.7	30.5	88.9	5.4	4.6	45.6
NEW JERSEY	15	10	4.8	33.3	3.1	5.8	14.6	35.9	16.6	50.5	11.1	3.7	24.0
PENNSYLVANIA	15	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	11.1	94.0
NORTH CENTRAL REGION	20	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	16	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	6	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ILLINOIS	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST NORTH CENTRAL DIVISION	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	19	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	13	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
FLORIDA	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST SOUTH CENTRAL DIVISION	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST REGION	54	39	28.7	196.8	16.3	35.1	98.0	319.4	86.2	397.7	40.9	(D)	(D)
MOUNTAIN DIVISION	10	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARIZONA	8	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
UTAH	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	44	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	44	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	11.2	116.2
3679-- ELECTRONIC COMPONENTS, NEC													
UNITED STATES	2 068	1 213	251.3	1 453.6	185.0	359.6	864.3	2 612.2	2 234.1	4 809.4	176.1	176.7	1 457.4
NORTHEAST REGION	839	508	118.4	737.8	81.2	159.4	401.2	1 323.4	1 489.2	2 803.1	82.5	81.5	678.1
NEW ENGLAND DIVISION	279	179	42.3	243.4	30.1	58.9	136.3	445.5	379.9	820.0	34.9	32.4	238.0
MAINE	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.0
NEW HAMPSHIRE	18	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VERMONT	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	156	99	20.7	118.5	15.2	29.1	70.3	189.4	118.7	305.9	14.9	17.0	124.0
RHODE ISLAND	16	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	78	47	10.4	60.4	7.2	14.8	33.2	99.1	57.5	159.7	6.2	9.2	67.6
MIDDLE ATLANTIC DIVISION	560	329	76.1	494.4	51.1	100.5	265.0	877.9	1 109.3	1 983.1	47.6	49.1	440.1
NEW YORK	240	145	46.2	329.1	28.3	56.2	159.1	548.7	920.5	1 468.2	28.3	25.8	219.2
NEW JERSEY	199	105	13.8	79.0	10.4	19.9	47.6	161.6	94.1	250.8	7.8	11.3	104.4
PENNSYLVANIA	121	79	16.1	86.4	12.4	24.4	58.2	167.6	94.8	264.0	11.5	12.0	116.5
NORTH CENTRAL REGION	471	314	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	47.3	361.0
EAST NORTH CENTRAL DIVISION	368	245	50.1	256.6	40.9	77.4	175.2	429.9	323.1	749.1	31.5	(D)	(D)
OHIO	58	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.1	38.2
INDIANA	59	43	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	179	127	23.1	115.0	18.6	35.5	76.2	216.6	141.5	356.0	11.7	20.3	139.3
MICHIGAN	33	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	28.8
WISCONSIN	39	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.8	23.9
WEST NORTH CENTRAL DIVISION	103	69	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	39	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	16	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	19	14	1.7	7.9	1.4	2.8	5.4	12.9	7.1	19.6	(D)	.8	5.1
SOUTH DAKOTA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEBRASKA	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	11.4
KANSAS	15	11	1.5	6.5	1.2	2.3	4.3	9.7	4.8	14.6	(D)	(D)	(D)
SOUTH REGION	249	152	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	20.0	150.4
SOUTH ATLANTIC DIVISION	162	107	23.1	111.1	18.2	35.4	72.5	200.9	95.6	291.9	16.3	16.5	126.5
MARYLAND	28	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
VIRGINIA	22	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	5.4
NORTH CAROLINA	28	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.6	33.4
SOUTH CAROLINA	10	9	5.4	23.4	4.4	8.5	15.9	42.6	24.7	67.2	4.4	(D)	(D)
FLORIDA	62	36	5.0	27.5	3.4	6.7	14.0	54.1	16.1	68.4	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	29	21	4.6	21.5	3.9	8.2	15.5	40.5	27.7	67.6	3.6	(D)	(D)
KENTUCKY	7	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	14	10	1.8	7.6	1.7	3.4	5.8	12.6	7.0	19.8	.5	1.1	5.7
ALABAMA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	58	24	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
LOUISIANA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	45	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.8

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3679--ELECTRONIC COMPONENTS, NEC--CON.													
WEST REGION	509	239	39.1	246.0	28.4	54.9	147.1	437.9	219.0	642.7	30.9	27.9	267.6
MOUNTAIN DIVISION	43	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IDAHO	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
COLORADO	13	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.2
NEW MEXICO	9	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ARIZONA	16	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
UTAH	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	466	212	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	13	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OREGON	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	447	208	33.9	217.8	24.4	47.1	129.6	401.2	198.9	589.3	24.0	26.5	256.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Radio and TV receiving sets (SIC 3651)	Phonograph records (SIC 3652)	Telephone and telegraph apparatus (SIC 3661)	Radio and TV communication equipment (SIC 3662)	Electron tubes, receiving type (SIC 3671)	Cathode ray picture tubes (SIC 3672)	Electron tubes, transmitting (SIC 3673)	Semi-conductors (SIC 3674)	Electronic components, n.e.c. (SIC 3679)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.94	.99	[2].88	.89	.85	.92	.79	.92	.83
COVERAGE RATIO[3]	.99	.96	[2].96	.90	.94	.98	.72	.87	.85
ESTABLISHMENTS, TOTAL .NUMBER	340	321	106	1 296	39	99	56	177	2 068
WITH 1 TO 19 EMPLOYEES .DO	153	248	43	514	20	76	18	60	855
WITH 20 TO 99 EMPLOYEES .DO	70	50	21	393	4	11	6	38	679
WITH 100 EMPLOYEES OR MORE .DO	117	23	42	389	15	12	32	79	534
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	116.7	13.6	115.4	409.9	21.0	27.6	18.2	85.4	251.3
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	643.6	76.6	827.9	3 568.8	118.3	172.5	145.8	545.1	1 453.6
PRODUCTION WORKERS:									
AVERAGE FOR YEAR 1,000	96.2	11.0	83.2	221.3	18.0	19.9	12.6	57.9	185.0
MARCH .DO	97.3	11.0	83.1	217.9	20.9	22.3	12.5	58.3	195.6
MAY .DO	85.4	10.8	82.9	218.0	18.2	20.3	12.5	56.5	182.5
AUGUST .DO	98.6	11.0	83.0	222.1	17.2	19.1	12.5	57.1	180.1
NOVEMBER .DO	103.5	11.4	83.8	227.3	15.6	17.8	12.9	59.8	181.5
MAN-HOURS .MILLIONS	183.4	22.2	158.8	447.6	32.4	40.0	26.1	118.1	359.6
JANUARY-MARCH .DO	48.0	5.8	40.8	110.7	9.8	12.0	6.5	30.4	87.0
APRIL-JUNE .DO	40.5	5.2	39.3	112.5	9.0	8.7	6.6	29.6	89.3
JULY-SEPTEMBER .DO	44.7	5.4	36.4	108.1	6.2	9.0	6.3	27.2	84.7
OCTOBER-DECEMBER .DO	50.2	5.8	42.2	116.4	7.5	10.2	6.6	31.0	88.6
WAGES MILLION DOLLARS	462.6	54.0	534.4	1 515.6	85.9	107.4	84.0	307.3	864.3
COST OF MATERIALS, ETC., TOTAL .DO	2 486.0	95.2	[4]1 082.7	3 433.4	72.8	357.6	128.5	337.6	2 234.1
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	2 399.5	83.4	982.9	3 153.4	55.8	341.6	98.6	306.9	1 990.1
COST OF RESALES .DO	54.2	6.4	53.3	117.0	9.5	3.7	19.0	14.3	155.1
FUELS CONSUMED .DO	2.6	1.2	4.1	8.2	.8	2.4	1.5	1.9	8.4
PURCHASED ELECTRIC ENERGY .DO	7.0	2.0	7.9	33.3	2.4	4.8	3.4	9.9	25.0
CONTRACT WORK .DO	22.7	2.2	34.6	121.4	4.4	5.1	5.8	4.6	55.5
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	3 846.3	276.4	[4]2 591.2	8 555.8	300.6	832.3	369.4	1 141.0	4 809.4
VALUE OF RESALES .DO	95.4	6.3	59.6	147.1	13.4	6.5	26.9	17.4	207.9
VALUE ADDED BY MANUFACTURE .DO	1 404.5	182.3	1 536.7	5 455.8	224.7	462.5	239.6	820.2	2 612.2
MANUFACTURERS' INVENTORIES:									
BEGINNING OF YEAR, TOTAL .DO	733.5	38.6	491.1	1 719.5	32.7	95.5	84.4	199.5	835.6
FINISHED PRODUCTS .DO	250.1	22.2	32.6	157.2	11.4	13.2	17.1	44.7	129.6
WORK IN PROCESS .DO	191.7	5.8	329.9	1 273.5	9.9	34.1	47.7	97.1	444.2
MATERIALS, SUPPLIES, FUEL, ETC. .DO	291.7	10.5	128.7	288.8	11.4	48.3	19.6	57.7	261.8
END OF YEAR, TOTAL .DO	726.0	38.7	536.4	2 114.9	27.9	85.3	84.7	214.1	873.8
FINISHED PRODUCTS .DO	292.1	23.7	43.5	177.8	10.7	14.6	18.2	50.2	149.6
WORK IN PROCESS .DO	193.8	5.4	347.1	1 581.4	7.4	20.6	45.3	108.5	461.2
MATERIALS, SUPPLIES, FUEL, ETC. .DO	240.1	9.6	145.8	355.8	9.7	50.1	21.3	55.5	263.0
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	87.0	7.6	115.0	260.7	7.1	47.2	13.6	132.5	188.9
NEW PLANT AND EQUIPMENT, TOTAL .DO	86.1	7.1	110.9	246.0	7.0	46.0	13.1	131.1	176.1
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	30.8	1.1	23.0	70.4	1.4	7.4	3.5	42.0	44.8
NEW MACHINERY AND EQUIPMENT .DO	55.3	6.0	87.9	175.6	5.6	38.6	9.6	89.1	131.3
USED PLANT AND EQUIPMENT .DO	.9	.4	4.1	14.6	(Z)	1.1	.5	1.4	12.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]See footnote 5, table 1A.

[3]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[4]See footnote 4, table 1A.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3651-- RADIO AND TV RECEIVING SETS											
ESTABLISHMENTS, TOTAL	340	116.7	643.6	96.2	183.4	462.6	1 404.5	2 486.0	3 846.3	86.1	726.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	100	.2	.8	.2	.2	.6	1.9	2.1	4.0	.1	.8
5 TO 9 EMPLOYEES[e]	31	.2	1.1	.2	.3	.7	1.7	1.8	3.6	.1	.7
10 TO 19 EMPLOYEES	22	.3	1.6	.2	.5	1.0	2.7	2.4	5.1	.1	.9
20 TO 49 EMPLOYEES	44	1.3	6.3	1.1	2.1	4.3	12.8	13.0	25.2	.4	4.4
50 TO 99 EMPLOYEES	26	1.8	9.1	1.4	2.9	5.7	19.0	25.4	43.1	.7	6.5
100 TO 249 EMPLOYEES	36	6.5	30.7	5.3	9.9	20.4	55.5	74.8	129.7	1.3	29.9
250 TO 499 EMPLOYEES	31	10.8	54.1	8.3	16.2	33.8	102.7	153.8	252.4	11.6	71.8
500 TO 999 EMPLOYEES	19	13.2	69.8	10.8	21.5	47.1	147.5	145.8	292.5	3.2	85.6
1,000 TO 2,499 EMPLOYEES	20	29.1	158.1	23.1	44.5	105.9	269.5	524.0	799.2	30.3	226.4
2,500 EMPLOYEES OR MORE	11	53.3	311.9	45.7	85.4	243.0	791.0	1 542.8	2 291.6	38.3	298.9
ESTABS. COVERED BY ADMIN. RECORDS[1e]	107	.2	1.3	.2	.4	.9	2.6	2.8	5.4	.1	1.1
3652-- PHONOGRAPH RECORDS											
ESTABLISHMENTS, TOTAL	321	13.6	76.6	11.0	22.2	54.0	182.3	95.2	276.4	7.1	38.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	195	.3	1.5	.3	.4	1.1	6.1	2.8	8.8	.1	.7
5 TO 9 EMPLOYEES[e]	34	.2	1.2	.2	.4	.9	3.8	2.5	6.4	.1	.7
10 TO 19 EMPLOYEES	19	.3	1.8	.2	.4	1.2	5.1	4.2	9.4	.2	.8
20 TO 49 EMPLOYEES	33	1.1	5.9	.9	1.8	4.2	17.6	9.5	26.4	.5	3.1
50 TO 99 EMPLOYEES	17	1.3	7.5	1.2	2.3	5.8	13.6	8.4	22.0	1.2	.9
100 TO 249 EMPLOYEES[e]	9	1.5	7.0	1.2	2.4	5.5	14.1	12.8	26.7	.7	2.3
250 TO 499 EMPLOYEES	7	2.1	12.1	1.8	3.9	8.9	33.8	19.5	50.9	1.2	7.5
500 TO 999 EMPLOYEES	4	6.8	39.5	5.2	10.6	26.5	88.2	35.5	125.7	3.1	22.8
1,000 TO 2,499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	192	.4	2.2	.4	.6	1.3	6.5	3.2	9.7	.2	1.2
3661-- TELEPHONE AND TELEGRAPH APPARATUS											
ESTABLISHMENTS, TOTAL	106	115.4	827.9	83.2	158.8	534.4	1 536.7	1 082.7	2 591.2	110.9	536.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	28	(Z)	.2	(Z)	(Z)	.1	.6	.4	1.0	.6	.3
5 TO 9 EMPLOYEES[e]	9	.1	.4	(Z)	.1	.2	1.1	.8	1.9	(D)	.4
10 TO 19 EMPLOYEES	6	.1	.5	.1	.1	.2	.8	.6	1.3	(Z)	.3
20 TO 49 EMPLOYEES	16	.5	2.9	.4	.8	1.8	10.3	5.9	15.7	1.9	2.1
50 TO 99 EMPLOYEES	5	.3	1.9	.2	.4	.9	2.9	3.4	6.2	.1	1.1
100 TO 249 EMPLOYEES	7	1.4	9.4	1.0	2.0	5.7	19.7	15.3	46.6	.5	5.3
250 TO 499 EMPLOYEES	5	1.6	8.3	1.2	2.1	5.0	15.0	14.3	28.9	.5	8.7
500 TO 999 EMPLOYEES	11	111.4	804.2	80.3	153.3	520.4	1 486.3	1 041.9	2 489.5	107.3	518.3
1,000 TO 2,499 EMPLOYEES	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	27	.1	.3	.1	.1	.2	.9	.6	1.5	.1	.4
3662-- RADIO & TV COMMUNICATION EQUIPMENT											
ESTABLISHMENTS, TOTAL	1 296	409.5	3 568.8	221.3	447.6	1 515.6	5 455.8	3 433.4	8 555.8	246.0	2 114.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	267	.4	3.5	.4	.5	1.5	8.1	4.8	12.7	1.0	2.3
5 TO 9 EMPLOYEES	98	.6	5.1	.4	.7	2.2	9.1	6.6	15.5	.5	2.2
10 TO 19 EMPLOYEES	149	2.1	14.5	1.4	2.6	7.3	25.1	18.3	43.4	.9	7.8
20 TO 49 EMPLOYEES	239	8.2	53.4	5.4	10.4	27.4	97.2	63.7	156.5	3.9	31.2
50 TO 99 EMPLOYEES	154	11.2	73.9	7.8	15.9	41.8	140.3	89.7	224.8	6.1	46.6
100 TO 249 EMPLOYEES	157	23.6	165.2	15.2	30.4	82.6	302.2	186.2	483.8	17.3	101.8
250 TO 499 EMPLOYEES	84	29.3	214.8	18.8	37.3	107.2	380.0	266.2	623.6	21.9	155.1
500 TO 999 EMPLOYEES	55	36.8	273.0	22.8	45.6	134.8	431.0	320.7	740.0	22.0	211.8
1,000 TO 2,499 EMPLOYEES	54	90.0	812.8	50.7	100.8	389.3	1 284.2	766.0	1 972.6	51.6	448.8
2,500 EMPLOYEES OR MORE	39	207.5	1 952.6	98.5	203.3	721.5	2 778.6	1 710.9	4 283.0	120.8	1 107.1
ESTABS. COVERED BY ADMIN. RECORDS[1e]	254	.6	4.1	.5	.7	1.9	7.8	5.2	13.0	.2	2.4
3671-- ELECTRON TUBES, RECEIVING TYPE											
ESTABLISHMENTS, TOTAL	39	21.0	118.3	18.0	32.4	85.9	224.7	72.8	300.6	7.0	27.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	10	(Z)	.1	(Z)	(Z)	(Z)	.1	.1	.2	.1	(Z)
5 TO 9 EMPLOYEES	5	.1	.6	.1	.1	.4	1.2	.2	1.3	.1	.3
10 TO 19 EMPLOYEES[e]	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES[e]	3	.1	.6	.1	.2	.4	1.2	.4	1.6	.1	.4
50 TO 99 EMPLOYEES[e]	1	.4	1.4	.3	.5	1.2	3.0	.8	3.7	.9	.2
100 TO 249 EMPLOYEES[e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 TO 499 EMPLOYEES	3	2.5	11.1	2.3	4.2	9.6	20.9	6.7	27.5	.1	3.1
500 TO 999 EMPLOYEES	2	1.4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	6	17.9	104.4	15.2	27.4	74.3	198.1	64.7	266.3	6.1	23.8
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3672-- CATHODE RAY PICTURE TUBES											
ESTABLISHMENTS, TOTAL	99	27.6	172.5	19.9	40.0	107.4	462.5	357.6	832.3	46.0	85.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	62	.1	.5	.1	.1	.3	1.1	1.1	2.2	.1	.2
5 TO 9 EMPLOYEES[e]	7	(Z)	.3	(Z)	.1	.2	.5	.4	.9	.1	.1
10 TO 19 EMPLOYEES	7	.1	.5	.1	.2	.4	.9	.5	1.4	(D)	.2
20 TO 49 EMPLOYEES[e]	9	.5	2.4	.3	.8	1.8	5.2	3.1	8.2	(Z)	.8
50 TO 99 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	2	2.0	11.9	1.4	2.5	6.4	33.3	30.2	63.1	7.9	5.2
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	5	24.9	156.9	17.9	36.4	98.3	421.6	322.3	756.5	38.0	78.9
2,500 EMPLOYEES OR MORE	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1e]	62	.1	.6	.1	.1	.4	1.2	1.4	2.6	(Z)	.2
3673-- ELECTRON TUBES, TRANSMITTING											
ESTABLISHMENTS, TOTAL	56	18.2	145.8	12.6	26.1	84.0	239.6	128.5	369.4	13.1	84.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	10	(Z)	.1	(Z)	(Z)	.1	.2	.1	.4	.5	.1
5 TO 9 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	7	.1	.7	.1	.2	.5	1.2	.6	1.8	(D)	.3
20 TO 49 EMPLOYEES	4	.4	1.5	.2	.5	1.1	3.0	1.4	4.4	(Z)	.8
50 TO 99 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	13	1.9	13.9	1.4	2.9	9.0	22.7	10.1	33.1	.9	7.9
250 TO 499 EMPLOYEES	10	3.9	28.3	2.9	5.9	17.4	54.1	21.7	76.9	2.6	16.7
500 TO 999 EMPLOYEES	5	11.9	101.1	8.0	16.6	55.9	159.3	94.6	252.6	9.0	59.0
1,000 TO 2,499 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3674-- SEMICONDUCTORS											
ESTABLISHMENTS, TOTAL	177	85.4	545.1	58.0	118.1	307.3	820.2	337.6	1 141.0	131.1	214.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	31	.1	.4	.1	.1	.2	.6	.2	.8	3.1	.2
5 TO 9 EMPLOYEES	20	.1	1.0	.1	.2	.4	1.5	.9	2.4	(D)	.3
10 TO 19 EMPLOYEES	9	.1	.7	.1	.1	.3	1.1	.6	1.7	(D)	.2
20 TO 49 EMPLOYEES	17	.5	3.0	.4	.7	1.7	5.5	3.0	8.3	(D)	1.2
50 TO 99 EMPLOYEES	21	1.4	8.5	1.0	2.1	5.1	17.2	4.8	21.6	2.0	3.0
100 TO 249 EMPLOYEES	22	3.3	17.4	2.5	4.7	9.8	32.2	16.2	47.3	4.4	9.2
250 TO 499 EMPLOYEES	18	6.0	34.8	4.3	8.7	18.2	67.7	27.2	94.4	7.4	17.9
500 TO 999 EMPLOYEES	20	15.4	93.5	11.0	21.7	53.1	143.5	61.2	194.2	25.5	52.4
1,000 TO 2,499 EMPLOYEES	14	21.1	135.7	15.4	30.5	82.1	201.2	83.2	278.1	44.0	62.4
2,500 EMPLOYEES OR MORE	5	37.3	250.3	23.3	49.3	136.5	349.8	140.3	492.3	44.7	67.3
ESTABS. COVERED BY ADMIN. RECORDS[1e]	31	.1	.5	.1	.1	.2	.7	.3	1.0	.1	.2
3679-- ELECTRONIC COMPONENTS, NEC											
ESTABLISHMENTS, TOTAL	2 068	251.3	1 453.6	185.0	359.6	864.3	2 612.2	2 234.1	4 809.4	176.1	873.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	413	.7	3.7	.7	1.0	2.3	8.6	5.3	13.9	1.1	2.3
5 TO 9 EMPLOYEES[e]	211	1.4	8.5	1.2	2.1	5.2	15.6	9.0	24.4	1.0	3.3
10 TO 19 EMPLOYEES	231	3.3	19.3	2.5	4.9	12.0	35.7	21.9	57.3	2.2	6.5
20 TO 49 EMPLOYEES	405	12.8	68.9	10.2	19.3	44.7	129.4	77.9	206.2	8.2	25.4
50 TO 99 EMPLOYEES	274	19.5	102.7	15.6	30.5	67.5	183.7	110.7	291.1	11.0	43.8
100 TO 249 EMPLOYEES	287	46.3	236.6	36.5	70.8	149.4	450.7	252.1	689.6	31.8	118.3
250 TO 499 EMPLOYEES	142	49.5	269.9	38.1	75.4	171.5	469.0	262.1	717.8	28.1	138.5
500 TO 999 EMPLOYEES	77	52.5	292.8	40.5	80.1	193.2	563.5	299.5	863.5	37.3	149.6
1,000 TO 2,499 EMPLOYEES	20	26.8	156.9	18.6	35.3	91.1	312.6	113.2	419.9	21.3	82.4
2,500 EMPLOYEES OR MORE	8	38.5	294.2	21.1	40.1	126.8	442.9	1 082.4	1 525.9	33.9	303.5
ESTABS. COVERED BY ADMIN. RECORDS[1e]	445	1.3	6.6	1.2	1.9	4.1	13.1	8.0	21.1	.6	3.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3651	Radio and TV receiving sets.....1967..	3,846.3	3,517.8	213.8	114.7	94	3,568.2	3,517.8	50.4	99
	1963..	2,254.9	1 991.9	190.8	72.2	91	2,070.8	1 991.9	79.0	96
3652	Phonograph records.....1967..	276.4	267.8	1.4	7.2	99	271.0	267.8	3.2	96
	1963..	180.2	174.1	3.8	2.3	99	178.7	174.1	4.6	97
3661	Telephone and telegraph apparatus.....1967..	2,591.2	2,164.9	298.0	128.3	[1]88	2,248.2	2,164.9	83.3	[1]96
	1963..	1,736.4	1,463.4	192.5	80.4	[1]95	1,538.0	1,463.4	74.6	[1]95
3662	Radio and TV communication equipment.....1967..	8,555.8	6,706.4	834.2	1,015.2	89	7,482.2	6,706.4	775.8	90
	1963..	7,145.6	5,511.9	750.5	833.3	88	6,064.8	5,511.9	552.9	91
3671	Electron tubes, receiving type.....1967..	300.6	238.1	41.0	21.5	85	253.1	238.1	15.1	94
	1963..	321.1	272.4	33.8	14.8	89	287.9	272.4	15.5	95
3672	Cathode ray picture tubes.....1967..	832.3	752.1	64.7	15.5	92	765.6	752.1	13.5	98
	1963..	269.1	223.7	(2)	[2]45.5	85-90	248.5	223.7	24.8	90
3673	Electron tubes, transmitting.....1967..	369.4	260.6	67.4	41.4	79	361.6	260.6	101.0	72
	1963..	299.5	213.7	52.8	33.0	80	286.7	213.7	72.9	75
3674	Semiconductors.....1967..	1,141.0	1,014.8	87.6	38.6	92	1,162.0	1,014.8	147.2	87
	1963..	687.8	575.1	76.3	36.4	88	623.3	575.1	48.2	92
3679	Electronic components, n.e.c.....1967..	4,809.4	3,777.0	751.5	280.9	83	4,420.1	3,777.0	643.1	85
	1963..	2,332.2	1,943.7	242.5	146.0	89	2,501.3	1,943.7	557.6	78

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

[1]The exact percentage shown, while correct to the extent that they are mathematical calculations, are not very meaningful because of duplication in the value of shipments. See introductory text for this industry.

[2]For 1963, secondary products are included with miscellaneous receipts.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Radio and TV receiving sets (SIC 3651)	Phonograph records (SIC 3652)	Telephone and telegraph apparatus (SIC 3661)	Radio and TV communication equipment (SIC 3662)	Electron tubes, receiving type (SIC 3671)	Cathode ray picture tubes (SIC 3672)	Electron tubes, transmitting (SIC 3673)	Semiconductors (SIC 3674)	Electronic components, n.e.c. (SIC 3679)	Other industries
	Total shipments and miscellaneous receipts	(X)	3,846.3	276.4	2,591.2	8,555.8	300.6	832.3	369.4	1,141.0	4,809.4	(X)
3651-	Radio and TV receiving sets	3,568.2	3,517.8	-	-	8.9	-	-	-	-	19.3	22.2
36511	Household and automobile radios, and radio-phonograph combinations	697.4	685.2	-	-	0.6	-	-	-	-	(5-10)	(2-5)
36512	Household television receivers, including television combinations	2,259.7	(2,000-5,000)	-	-	-	-	-	-	-	-	(over 2)
36514	Recorders, phonographs, and radio and television chassis	396.1	384.9	-	-	5.6	-	-	-	-	3.2	2.4
36515	Speaker systems, microphones, home-type electronic kits, and commercial sound equipment including public address systems	184.8	169.1	-	-	2.7	-	-	-	-	(5-10)	(5-10)
36510	Radio and TV receiving equipment, n.s.k.	30.2	(20-50)	-	-	-	-	-	-	-	-	(under 2)
36520	Phonograph records, record blanks, and prerecorded tapes	271.0	-	267.8	-	-	-	-	-	-	(under 2)	(5-10)
3661-	Telephone and telegraph apparatus	2,248.2	-	-	2,164.9	36.8	-	-	-	(under 2)	(2-5)	(20-50)
36611	Telephone switching and switchboard equipment	840.4	-	-	823.8	(10-20)	-	-	-	-	(2-5)	(under 2)
36612	Other telephone and telegraph (wire) apparatus, equipment, and components	1,399.0	-	-	1,332.4	(20-50)	-	-	-	(under 2)	(under 2)	(20-50)
36610	Telephone and telegraph apparatus, n.s.k.	8.8	-	-	8.8	-	-	-	-	-	-	-
3662-	Radio and TV communication equipment	7,482.2	47.8	-	82.1	6,706.4	(under 2)	-	(5-10)	(under 2)	75.7	559.3
36621	Commercial, industrial, and military electronic communication equipment, except telephone equipment	1,615.9	14.6	-	(10-20)	1,499.0	-	-	(under 2)	(Z)	(5-10)	74.2
36622	Radio and television broadcast equipment, and closed circuit systems	344.1	(2-5)	-	-	322.7	-	-	(under 2)	(under 2)	(under 2)	15.7
36623	Intercommunication equipment (except telephone and telegraph) and electric alarm and signal systems and devices	231.0	(5-10)	-	-	183.9	-	-	-	(under 2)	(5-10)	31.0
36624	Electronic navigational aids (except missile-borne and space vehicle-borne equipment)	1,215.1	(under 2)	-	-	1,102.5	-	-	(under 2)	(Z)	(under 2)	111.7
36625	Electronic search and detection apparatus, including radar infrared and sonar	1,671.2	(10-20)	-	-	1,500.3	-	-	(under 2)	-	(2-5)	152.6
36626	Electronic military, industrial, and commercial equipment, n.e.c.	1,148.7	4.6	-	-	959.5	(under 2)	-	(5-10)	(under 2)	52.9	122.0
36627	Space satellite-borne communications equipment (complete package)	44.6	-	-	-	(20-50)	-	-	-	-	(under 2)	(5-10)
36628	Missile-borne navigation and guidance systems and equipment	848.9	-	-	-	(500-1,000)	-	-	-	-	(under 2)	(20-50)
36629	Microwave and mobile telephone (communication) equipment	165.8	-	-	(50-100)	(100-200)	-	-	-	-	(under 2)	(under 2)
36620	Radio and TV communications equipment, n.s.k.	196.9	-	-	-	194.0	-	-	-	-	-	2.9
36710	Receiving type electron tubes, except cathode ray	253.1	-	-	(5-10)	(under 2)	238.0	-	-	(2-5)	(under 2)	3.5
36720	Cathode ray picture tubes, including rebuilt	765.6	(under 2)	-	-	0.8	-	752.1	-	-	(over 2)	(under 2)
36730	Transmittal, industrial, and special purpose electron tubes (except X-ray)	361.6	-	-	(2-5)	2.3	21.6	(20-50)	260.6	(over 2)	(over 2)	7.3
3674-	Semiconductors	1,162.0	19.1	-	(20-50)	13.1	(under 2)	-	2.0	1,014.8	78.8	(5-10)
36741	Integrated microcircuits (semiconductor materials)	247.5	-	-	-	1.2	-	-	(under 2)	216.1	26.9	(2-5)
36742	Transistors	447.0	(5-10)	-	(10-20)	2.9	(under 2)	-	-	382.8	(20-50)	(under 2)
36743	Diodes and rectifiers	287.5	(5-10)	-	(10-20)	2.1	-	-	(under 2)	258.9	(2-5)	(under 2)
36749	Other semiconductor devices	176.0	(2-5)	-	-	3.0	(under 2)	-	(under 2)	157.0	5.4	(5-10)
36740	Semiconductors, n.s.k.	4.0	-	-	-	-	-	-	-	-	2.3	1.7

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Radio and TV receiving sets (SIC 3651)	Phonograph records (SIC 3652)	Telephone and telegraph apparatus (SIC 3661)	Radio and TV communication equipment (SIC 3662)	Electron tubes, receiving type (SIC 3671)	Cathode ray picture tubes (SIC 3672)	Electron tubes, transmitting (SIC 3673)	Semiconductors (SIC 3674)	Electronic components, n.e.c. (SIC 3679)	Other industries
	Total shipments and miscellaneous receipts--Con.											
3679-	Electronic components, n.e.c.	4,420.1	60.6	-	48.2	101.0	(10-20)	(10-20)	7.5	66.6	3,777.0	330.6
36792	Capacitors for electronic applications	430.7	-	-	(2-5)	(2-5)	-	-	-	(5-10)	405.2	9.2
36793	Resistors for electronic applications	442.4	-	-	(5-10)	2.0	-	-	-	(5-10)	340.9	84.4
36794	Coils, transformers, reactors, and chokes for electronic applications	446.5	2.2	-	(over 2)	(5-10)	-	-	(under 2)	(under 2)	416.1	18.0
36795	Other electronic components and accessories, n.e.c.	2,860.4	58.4	-	(20-50)	87.9	(10-20)	(10-20)	(5-10)	49.5	2,378.2	215.8
36790	Electronic components, n.s.k.	240.1	-	-	-	0.3	-	-	-	-	236.6	3.2
	Other product shipments by 4-digit product group											
1925-	Complete guided missiles	(X)	-	-	-	42.4	-	-	-	-	-	(X)
1929-	Ammunition, except for small arms, n.e.c.	(X)	-	-	-	(20-50)	-	-	-	-	-	(X)
1931-	Tanks and tank components	(X)	-	-	-	(5-10)	-	-	-	-	(under 2)	(X)
1941-	Sighting and fire control equipment	(X)	-	-	-	(20-50)	-	-	-	-	-	(X)
1999-	Ordnance and accessories, n.e.c.	(X)	(over 2)	-	-	41.3	-	-	-	-	-	(X)
2295-	Coated fabrics, not rubberized	(X)	-	-	-	-	-	-	-	-	(over 2)	(X)
2542-	Metal partitions and fixtures	(X)	-	-	(5-10)	-	-	-	-	-	-	(X)
2731-	Book publishing	(X)	-	-	-	(5-10)	-	-	-	-	-	(X)
3079-	Miscellaneous plastics products	(X)	-	(under 2)	-	(under 2)	-	-	(under 2)	-	4.8	(X)
3341-	Secondary nonferrous metals	(X)	-	-	(over 2)	(under 2)	-	-	-	-	-	(X)
3351-	Rolled and drawn copper	(X)	-	-	(over 2)	-	-	-	-	-	-	(X)
3356-	Rolled and drawn nonferrous metals, n.e.c.	(X)	-	-	(over 2)	-	-	-	-	-	-	(X)
3519-	Internal combustion engines, n.e.c.	(X)	-	-	-	-	-	-	-	-	(over 2)	(X)
3541-	Machine tools, metal-cutting types	(X)	-	-	-	(over 2)	-	-	-	-	(under 2)	(X)
3559-	Special industry machinery, n.e.c.	(X)	-	(under 2)	(20-50)	(under 2)	(under 2)	-	-	-	(under 2)	(X)
3573-	Electronic computing equipment	(X)	(under 2)	-	-	61.7	-	-	-	-	(200-500)	(X)
3574-	Calculating and accounting machines	(X)	(under 2)	-	-	5.6	-	-	-	-	(under 2)	(X)
3579-	Office machines, n.e.c.	(X)	-	(under 2)	(over 2)	(over 2)	-	-	-	-	-	(X)
3581-	Automatic merchandising machines	(X)	(10-20)	-	-	-	-	-	-	-	-	(X)
3611-	Electric measuring instruments	(X)	(under 2)	-	(20-50)	79.1	-	-	(2-5)	(2-5)	12.0	(X)
3613-	Switchgear and switchboard apparatus	(X)	(under 2)	-	(2-5)	(5-10)	-	-	-	-	4.6	(X)
3722-	Industrial controls	(X)	(under 2)	-	(10-20)	6.9	-	-	-	-	6.5	(X)
3629-	Electrical industrial apparatus, n.e.c.	(X)	-	-	(over 2)	1.1	-	-	-	-	39.6	(X)
3641-	Electric lamps	(X)	-	-	(over 2)	-	-	-	-	-	(under 2)	(X)
3643-	Current-carrying wiring devices	(X)	-	-	(2-5)	(under 2)	-	-	-	-	17.8	(X)
3644-	Noncurrent-carrying wiring devices	(X)	-	-	(over 2)	-	-	-	-	-	(under 2)	(X)
3691-	Storage batteries	(X)	(over 2)	-	-	(under 2)	-	-	-	-	-	(X)
3693-	X-ray apparatus and tubes	(X)	-	-	-	0.7	-	-	(over 2)	-	-	(X)
3694-	Engine electrical equipment	(X)	7.2	-	-	-	-	-	-	-	(10-20)	(X)
3699-	Electrical equipment, n.e.c.	(X)	-	-	-	(2-5)	-	-	-	-	(5-10)	(X)
3714-	Motor vehicle parts and accessories	(X)	(over 2)	-	-	(under 2)	-	-	-	-	(under 2)	(X)
3721-	Aircraft	(X)	-	-	-	(under 2)	-	-	-	-	(over 2)	(X)
3722-	Aircraft engines and engine parts	(X)	-	-	-	(over 2)	-	-	-	-	-	(X)
3729-	Aircraft equipment, n.e.c.	(X)	-	-	-	45.8	-	-	-	-	4.4	(X)
3811-	Engineering and scientific instruments	(X)	-	-	-	117.6	-	-	(over 2)	-	9.1	(X)
3821-	Mechanical measuring devices	(X)	-	-	-	12.5	-	-	(over 2)	(under 2)	4.0	(X)
3822-	Automatic temperature controls	(X)	-	-	-	(2-5)	-	-	-	(under 2)	(under 2)	(X)
3831-	Optical instruments and lenses	(X)	-	-	-	20.8	-	-	(20-50)	(under 2)	(10-20)	(X)
3842-	Surgical appliances and supplies	(X)	(2-5)	-	-	-	-	-	-	-	(under 2)	(X)
3861-	Photographic equipment and supplies	(X)	(under 2)	-	-	(10-20)	-	-	-	-	(2-5)	(X)
3941-	Games and toys	(X)	(over 2)	-	-	-	-	-	-	-	-	(X)
	All other secondary products	(X)	77.9	1.4	133.6	235.4	2.8	2.2	49.7	6.4	450.1	(X)
	Miscellaneous receipts, total	(X)	114.7	7.2	128.3	1,015.2	21.5	15.5	41.4	38.6	280.9	(X)
	Control work	(X)	4.4	(under 2)	(under 2)	79.0	(over 2)	(under 2)	(under 2)	0.3	29.8	(X)
	Products bought and resold	(X)	95.4	6.3	59.6	147.1	13.4	6.5	26.9	17.4	207.9	(X)
	Sales of scrap and refuse	(X)	1.4	(X)	19.2	1.7	(under 2)	(under 2)	0.3	(5-10)	7.9	(X)
	Receipts for repair work	(X)	4.1	(X)	(over 2)	106.5	-	(under 2)	(under 2)	(under 2)	6.4	(X)
	Receipts for installation (or construction) of products	(X)	(under 2)	(X)	26.1	32.5	-	-	-	-	1.2	(X)
	Receipts for research and development	(X)	2.9	(X)	8.7	483.1	(under 2)	(2-5)	7.0	5.8	21.0	(X)
	Other miscellaneous receipts	(X)	(over 2)	(under 2)	(5-10)	165.3	(over 2)	(2-5)	(over 2)	(over 2)	6.7	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code		Class of products, industry and miscellaneous receipts	Other industries
		Listing of other industries with over $2 million shipments of the primary products	
3651-	3611	Electric measuring instruments	(over 2)
	3931	Musical instruments and parts	(10-20)
3661-	3357	Nonferrous wiredrawing and insulating	(10-20)
	3573	Electronic computing equipment	(10-20)
	3611	Electric measuring instruments	7.1
3662-	1925	Complete guided missiles	111.1
	1929	Ammunition, except for small arms, n.e.c	36.3
	1941	Sighting and fire control equipment	(20-50)
	3573	Electronic computing equipment	7.6
	3574	Calculating and accounting machines	(over 2)
	3579	Office machines, n.e.c	3.0
	3611	Electric measuring instruments	43.5
	3613	Switchgear and switchboard apparatus	6.1
	3621	Motors and generators	(2-5)
	3622	Industrial controls	4.0
	3629	Electrical industrial apparatus, n.e.c	(2-5)
	3634	Electric housewares and fans	(10-20)
	3644	Noncurrent-carrying wiring devices	(2-5)
	3721	Aircraft	32.3
	3722	Aircraft engines and engine parts	55.6
	3729	Aircraft equipment, n.e.c	95.9
	3811	Engineering and scientific instruments	8.2
	3821	Mechanical measuring devices	20.0
		Listing of other industries with over $2 million shipments of the primary products--Continued	
3662-	3861-	Photographic equipment and supplies	7.6
	3871	Watches and clocks	(5-10)
	3949	Sporting and atheletic goods, n.e.c	(over 2)
3679-	2641	Paper coating and glazing	(over 2)
	3079	Miscellaneous plastics products	2.3
	3264	Porcelain electrical supplies	(2-5)
	3317	Steel pipe and tubes	2.8
	3356	Nonferrous rolling and drawing, n.e.c	(over 2)
	3357	Nonferrous wiredrawing and insulating	(2-5)
	3362	Brass, bronze, and copper castings	(over 2)
	3449	Miscellaneous metalwork	(over 2)
	3499	Fabricated metal products, n.e.c	(2-5)
	3537	Industrial trucks and tractors	(2-5)
	3573	Electronic computing equipment	53.7
	3611	Electric measuring instruments	33.0
	3612	Transformers	11.6
	3622	Industrial controls	64.4
	3629	Electrical industrial apparatus, n.e.c	7.1
	3642	Lighting fixtures	(over 2)
	3643	Current-carrying wiring devices	18.6
	3694	Engine electrical equipment	9.8
	3821	Mechanical measuring devices	6.5
	3831	Optical instruments and lenses	(over 2)
	3861	Photographic equipment and supplies	3.3

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3651- --	RADIO AND TV RECEIVING SETS, TOTAL	(X)	3,568.2	(X)	2,070.8
36511 --	Household and automobile radios, and radio-phonograph combinations:				
	As reported in the census of manufactures	(X)	697.4	(X)	531.3
	As reported on Census annual Form MA-36M	19.3	686.5	18.1	520.0
	Home-type receivers, complete sets (except radio-phonograph combinations and televion sets), total	9.4	151.2	9.3	150.7
	Socket powered (except consoles), total	6.4	108.6	5.3	87.2
	Table models (except clock), total	2.4	42.9	3.0	46.7
36511 01	AM	1.3	13.1	2.7	39.7
36511 02	AM-FM	1.1	29.8	0.3	7.0
	Clock models, total	4.0	65.8	3.0	46.7
36511 03	AM	3.1	42.5	2.8	39.7
36511 04	AM-FM	0.9	23.3	0.3	7.0
	Transistor portable:				
36511 21	AM	[1]2.0	[1]18.6	3.9	59.9
36511 22	AM-FM	1.0	24.0		
36511 23	Other home-type radios (battery-powered table and console models; socket-powered consoles; and portables, except transistor type)	([1])	([1])	0.1	3.6
	Home-type radio-phonograph combinations, complete sets (including built-in recorders, excluding TV sets), total	1.7	324.2	1.2	192.7
	Table models (including portable sets), total	0.2	31.7	0.2	12.6
36511 13	AM	0.1	2.6	0.1	7.2
36511 14	AM-FM	0.2	29.0	0.1	5.4
	Console models, total	1.5	292.5	1.0	180.1
36511 15	AM			(Z)	1.8
36511 16	AM-FM			1.0	178.3
36511 17	Automobile radios (broadcast receivers only)	8.2	211.1	7.6	176.6
36512 --	Household television receivers (color and black and white), including television combinations:				
	As reported in the census of manufactures	(X)	2,259.7	(X)	1,092.3
	As reported on Census annual Form MA-36M	9.7	2,191.5	7.7	1,067.1
	Table models, including portable sets (with or without conventional radio):				
36512 01	Black and white	4.0	340.6	4.7	459.8
36512 02	Color	1.3	351.8	0.1	20.4
	Console and consolette models (with or without conventional radio):				
36512 03	Black and white	0.8	92.4	2.0	273.8
36512 04	Color	3.3	1,223.5	0.6	206.7
	Radio-phonograph-TV recorder combination models:				
36512 05	Black and white	0.1	10.7	0.3	75.8
36512 06	Color	0.3	172.5	0.1	30.6
36514 --	Phonographs and record player attachments; radio and television chassis sold separately; recorders, tuners; and other similar home-type electronic equipment, total	(X)	396.1	(X)	320.0
	Phonographs and record players with attachments:				
	As reported in the census of manufactures	(X)	221.6	(X)	178.9
	As reported on Census annual Form MA-36M	6.2	202.5	3.7	174.1
	Phonographs, total	3.8	186.5	3.7	170.9
36514 01	Mechanical (accoustical) reproduction phonographs (with spring or electric motor)	0.2	1.3	0.4	2.4
	Electronic phonographs (with speaker), total	3.6	185.2	3.3	168.5
36514 02	Coin operated	0.1	48.0	0.1	43.3
	Noncoin operated, total	3.6	137.2	3.3	125.1
36514 03	Monaural	1.8	35.9	1.6	33.6
36514 04	Stereophonic	1.8	101.2	1.7	91.5
	Record players, total	0.6	16.0	0.1	3.2
36514 05	With automatic record changers	0.4	11.5	0.1	1.6
36514 06	With nonautomatic record changers	0.2	4.5	0.1	1.7

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3651- --	RADIO AND TV RECEIVING SETS--Continued				
36514 --	Phonographs and record player attachments; radio and television chassis sold separately; recorders, tuners; and other similar home-type electronic equipment--Continued.				
	Recorders, tuners, and other similar home-type electronic equipment for sale separately:				
36514 20	As reported in the census of manufactures	(X)	144.8	(X)	125.5
	As reported on Census annual Form MA-36M	2.5	128.2	2.3	103.9
36514 31	Recorders, home-type, tape, wire, and disc (except radio-phonograph-TV-receiver combinations; office recording machines, and recorder mechanisms)	0.8	49.6	0.4	43.5
36514 62	Audio amplifiers and preamplifers, home-type	0.2	21.6	0.2	17.3
36514 65	Tuners, AM, FM, and AM-FM and tuner-amplifier combinations	0.4	43.1	1.1	35.4
36514 67	Other home-type electronic equipment (converter, adapters, etc.)	1.1	13.9	0.6	7.7
	Chassis for home-type radio and television receivers for sale separately:				
36514 30, 40	As reported in the census of manufactures	(X)	9.1	(X)	12.1
	As reported on Census annual Form MA-36M	0.5	8.2	0.6	8.8
36514 70	Chassis for home-type radio receivers, for sale separately	0.5	8.2	(Z)	0.4
36514 86	Chassis for home-type television receivers, for sale separately			0.6	8.4
36514 00	Recorders, audio amplifiers, audio equipment, etc., n.s.k.	(X)	20.6	(X)	3.5
36515 --	Speaker systems, microphones, home-type electronic kits and commercial sound equipment, including public address systems, total	(X)	184.8	(X)	114.2
36515 51	Loud speakers, speaker systems (sold separately):				
	As reported in the census of manufactures	(X)	98.6	(X)	71.3
	As reported on Census annual Form MA-36N	(X)	94.5	(X)	69.5
36515 55	Microphones (all types):				
	As reported in the census of manufactures	(X)	34.9	(X)	18.9
	As reported on Census annual Form MA-36N	(X)	33.9	(X)	17.6
36515 67	Home-type electronic kits to be assembled by consumer for radio receivers, tuners, amplifiers, and other audio equipment:				
	As reported in the census of manufactures	(X)	28.1	(X)	14.5
	As reported on Census annual Form MA-36N	(X)	28.1	(X)	12.8
36515 90	Other commercial sound equipment, except broadcast, including complete public address systems, music distribution apparatus, etc. (excluding components):				
	As reported in the census of manufactures	(X)	10.6	(X)	9.5
	As reported on Census annual Form MA-36N	(X)	10.6	(X)	7.1
36515 00	Speaker systems, microphones, home-type electronic kits and commercial sound equipment, etc, n.s.k.	(X)	12.6	(X)	-
36510 00	Radio and television receiving sets, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	(X)	24.8	(X)	16.1
36510 02	Radio and television receiving sets, n.s.k. (Represents principally establishments with 10 or less employees in 1967. See Note.)	(X)	5.4		

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	1967			1963		
			Production for all purposes (quantity)	Total shipments, including interplant transfers		Production for all purposes (quantity)	Total shipments, including interplant transfers	
				Quantity	Value (million dollars)		Quantity	Value (million dollars)
3652- --	PHONOGRAPH RECORDS, TOTAL	.....	(X)	(X)	271.0	(X)	(X)	178.7
36520 --	Phonograph records, record blanks, and prerecorded tapes:							
	Disc record (except electrical transcriptions):							
	45 r.p.m.:							
36520 22	For own label	Million units	163.3	156.2	21.6	98.8	70.7	15.4
36520 24	On contract basis for others	...do	(X)	202.7	19.8	(X)	111.6	12.6
	33-1/3 r.p.m.--for own label:							
36520 31	Stereophonic	...do	138.2	132.7	76.6	58.6	31.0	35.4
36520 33	Monaural	...do	96.3	94.9	38.7	68.9	52.1	40.2
	33-1/3 r.p.m.--on contract basis for others:							
36520 35	Stereophonic	...do	(X)	84.8	33.1	(X)	40.0	21.1
36520 37	Monaural	...do	(X)	55.6	16.4	(X)	36.1	22.9
36520 61	Other speeds, including 78 r.p.m. and electrical transcriptions of all speeds	...do	0.7	0.8	0.6	15.8	23.7	11.9
	Precorded tapes:							
36520 83	For own label	1,000 reels	(NA)	12.1	33.9	1.4	1.4	3.8
36520 85	On contract basis for others	...do	(X)	1.4	2.0			
36520 91	Record blanks (disc-type and other)	.....	(X)	(X)	4.7	(X)	(X)	5.5
36520 00	Phonograph records, n.s.k. (represents establishments with 10 employees or more in 1967. See Note.)	.....	(X)	(X)	15.3	(X)	(X)	9.8
36520 02	Phonograph records, n.s.k. (represents establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	(X)	8.3			

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 sets)	Value (million dollars)	Quantity (1,000 sets)	Value (million dollars)
3661- --	TELEPHONE AND TELEGRAPH APPARATUS, TOTAL	(X)	[2]2,248.2	(X)	1,538.0
36611 --	Telephone switching and switchboard equipment	(X)	840.4	(X)	491.3
36611 11	Telephone switchboards (central office and PBX subscriber A and B, trunk and toll)	(X)	196.7	(X)	96.7
36611 53	Dial automatic telephone switching equipment (central office, PBX, and toll) excluding electronic switching equipment	4,298.4	540.0	(NA)	378.9
36611 55	Electronic telephone switching equipment (central office, PBX, and toll	(X)	100.6	(X)	15.7
36611 00	Telephone switching and switchboard equipment, n.s.k.	(X)	3.0	(X)	-
36612 --	Other telephone and telegraph (wire) apparatus, equipment, and components.	(X)	1,399.0	(X)	1,045.2
	Telephone carrier equipment and repeater equipment (including open-wire and cable transmission):				
36612 13	Carrier equipment	(X)	244.0	(X)	223.3
36612 15	Repeater equipment				
	Telephone instrument sets (transmitters and receivers with or without dial, for subscriber use only):				
36612 33	Push-button dial type	1,689.4	39.2	8,534.2	120.4
36612 35	Other than push-button dial type	8,058.5	135.3		
36612 61	Other telephone apparatus and equipment, including components	(X)	719.1	(X)	572.9
	Telegraph (wire) apparatus and equipment and components, including military:				
36612 73	Teleprinter units	(NA)	91.7	(X)	116.7
36612 75	Telegraph switching equipment	(X)	2.9		
36612 77	Telegraph carrier systems	(X)	127.8		
36612 79	All other telegraph apparatus, equipment and components, including facsimile				
36612 81	Data sets (digital or analog)	(NA)	29.7	14.4	10.0
36612 00	Other telephone and telegraph (wire) apparatus, equipment and components, n.s.k.	(X)	9.4	(X)	1.9
36610 00	Telephone and telegraph apparatus, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	(X)	7.3	(X)	1.5
36610 02	Telephone and telegraph apparatus, n.s.k. (Represents principally establishments with fewer than 10 employees. See Note.)	(X)	1.5		

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3662- --	RADIO AND TV COMMUNICATION EQUIPMENT, TOTAL	7,482.2	6,064.8
	Commercial industrial, and military electronic communication equipment, except broadcast home-type intercommunication and telephone communication equipment:		
36621 00	As reported on the census of manufactures	1,615.9	1,016.1
	As reported on the census annual Form MA-36N[3]	1,499.4	980.5
	Radio and television broadcast equipment, and closed circuit systems:		
36622 00	As reported on the census of manufactures	344.1	149.7
	As reported on the census annual Form MA-36N[3]	322.2	143.4
36623 --	Intercommunication equipment (except telephone and telegraph) and electric alarm and signal systems and devices, total	231.0	165.8
	Intercommunication equipment (except telephone and telegraph) and electric alarm and signal systems and devices:		
36623 10	As reported on the census of manufactures	188.6	135.6
	As reported on the census annual Form MA-36N[3]	180.7	129.1
36623 21	Railroad highway grade crossing signals (exclusive of relays and other control apparatus)	5.0	3.9
36623 29	Other railway signal systems and safety control equipment	}	24.5
36623 00	Intercommunication equipment (except telephone and telegraph) and electric alarm and signal systems, n.s.k.	37.4	1.8
	Electronic navigational aids except missile-borne and space vehicle-borne equipment:		
36624 00	As reported in the census of manufactures	1,215.1	1,295.3
	As reported on census annual Form MA-36N[3]	1,117.3	1,257.8
	Electronic search and detection apparatus, including radar, infrared and sonar:		
36625 00	As reported in the census of manufactures	1,671.2	1,615.0
	As reported on census annual Form MA-36N[3]	1,580.8	1,563.9
	Electronic military, industrial, and commercial equipment, n.e.c:		
36626 00	As reported in the census of manufactures	1,148.7	724.5
	As reported on census annual Form MA-36N[3]	1,055.4	684.4
	Space Satellite-borne communication systems (complete package):		
36627 00	As reported in the census of manufactures	44.6	28.7
	As reported on census annual Form MA-36N[3]	43.7	28.4
	Missile-borne and space vehicle-borne navigation and guidance systems and equipment:		
36628 00	As reported in the census of manufactures	848.9	972.9
	As reported on census annual Form MA-36N[3]	856.7	961.4
36629 --	Microwave and mobile telephone (communication) equipment, total	165.8	64.8
36629 77	Microwave, telephone (communication) equipment	116.1	50.8
36629 79	Mobile telephone (communication) equipment	49.1	14.0
36629 00	Microwave and mobile telephone (communication) equipment, n.s.k.	0.6	-
36620 00	Radio and TV communication equipment, n.s.k. (For companies with 10 or more employees. See Note.)	184.4	}
36620 02	Radio and TV communication equipment, n.s.k. (For companies with less than 10 employees. See Note.)	12.5	32.0
3671- --	ELECTRON TUBES, RECEIVING TYPE, TOTAL	253.1	287.9
	Electron tubes, receiving type, except cathode ray:		
36710 00	As reported in the census of manufactures	253.1	287.9
	As reported on Census Annual Form MA-36N[3]	243.8	276.1
3672- --	CATHODE RAY PICTURE TUBES, TOTAL	765.6	248.5
	Cathode ray picture tubes, including rebuilt:		
36720 00	As reported in the census of manufactures	r765.6	248.5
	As reported on Census annual Form MA-36N[3]	r740.9	243.3

Product	Total shipments including interplant transfers			
	1967		1963	
	Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3673- -- ELECTRON TUBES, TRANSMITTING, TOTAL	(X)	361.6	(X)	286.7
Transmittal, industrial, and special purpose electron tubes:				
36730 00 As reported in the census of manufactures	(X)	361.6	(X)	286.7
As reported on census annual Form MA-36N[3]	(X)	358.4	(X)	281.4

See footnotes at end of table.

TABLE 6A-1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3674- --	SEMICONDUCTORS, TOTAL	1,162.0	623.3
	Semiconductor devices:		
	As reported in the census of manufactures	1,162.0	623.3
	As reported on census annual form MA-36N.[3]	1,103.6	617.5
36741 00	Integrated microcircuits (semiconductor networks):		
	As reported in the census of manufactures	247.5	
	As reported on Census annual Form MA-36N[3]	226.8	
36742 00	Transistors:		
	As reported in the census of manufactures	447.0	
	As reported on Census annual Form MA-36N[3]	428.5	
36743 00	Diodes and rectifiers:		617.5
	As reported in the census of manufactures	287.5	
	As reported on Census annual Form MA-36N[3]	262.7	
36749 00	Other semiconductor devices:		
	As reported in the census of manufactures	176.0	
	As reported on Census annual Form MA-36N[3]	185.6	
36740 00	Semiconductor devices, n.s.k. (Represents establishments with 10 or more employees in 1967. See Note.)	3.0	
36740 02	Semiconductor devices, n.s.k. (Represents establishments with less than 10 employees in 1967. See Note.)	1.0	(X)
3679- --	ELECTRONIC COMPONENTS, N.E.C., TOTAL	4,420.1	2,501.3
	Capacitors for electronic applications:		
36792 00	As reported in the Census of Manufactures	430.7	318.8
	As reported on Census annual Form MA-36N[1]	393.0	305.9
	Resistors for electronic applications:		
36793 00	As reported in the Census of Manufactures	442.4	312.6
	As reported on Census annual Form MA-36N[1]	414.3	312.4
	Coils, transformers, reactors, and chokes for electronic applications:		
36794 00	As reported in the Census of Manufactures	446.5	274.4
	As reported on Census annual Form MA-36N[1]	[2]408.7	259.3
36795 --	Other electronic components and accessories, n.e.c., including parts for electron tubes (except glass blanks)	2,860.4	1,496.7
	Electronic components, n.e.c. except phonograph needles and cutting styli:		
36795 10	As reported in the Census of Manufactures	2,835.2	[r]1,475.1
	As reported on Census annual Form MA-36N[1]	2,585.2	1,342.0
36795 47	Phonograph needles and cutting styli	13.5	[r]21.6
36795 00	Other electronic components and accessories, n.e.c. including parts for electron tubes (except glass blanks) n.s.k.	11.7	-
36790 00	Electronic components, n.s.k. (For companies with 10 or more employees. See Note.)	219.1	98.8
36790 02	Electronic components, n.s.k. (For companies with less than 10 employees. See Note.)	21.0	

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. [r]Revised.

[1]Figures for "other home-type radios" are included with those for "Home-type transistor radios."

[2]Includes interplant transfers between establishments of the same company valued between $250 and $300 million. The exact figure cannot be published without revealing the operations of individual companies.

[3]See table 6A-2 for detail product data from Annual Survey MA-36N.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
36621 --	Commercial, industrial, and military electronic communication equipment (except broadcast equipment, space satellite-borne communications systems (complete package), home-type intercommunication equipment, and microwave and mobile telephone communication equipment), total	(X)	1,499.4	(X)	980.5
	Receivers, radio communications (point-to-point) except amateur, and Citizens Radio, sold separately:				
36621 21	Very low frequency and low frequency (below 300 kc)	(X)	6.6	(X)	0.2
36621 23	Medium and high frequency (300 kc to 30 mc)	(X)	35.5	(X)	23.1
36621 24	Very high frequency and ultra high frequency -- to 890 megacycles				
36621 25	Microwave line-of-sight; microwave scatter; and microwave video relay, except studio transmitter link	(X)	50.2	(X)	49.0
	Mobile receivers, except amateur and Citizens Radio, sold separately:				
36621 71	Airborne				
36621 73	Marine	(X)	7.5	(X)	6.2
36621 75	Ground				
36621 91	Light communications systems and equipment, electronic (including infrared)	(X)	15.3	(X)	3.0
	Point-to-point radio communication systems such as Dew Line, White Alice, etc., (except real estate), sold as a complete package (antennae, power supplies, receivers, transmitters, multiplexing and demodulating equipment, etc.):				
36621 11	Very low frequency and low frequency (below 300 kc)	(X)	2.5	(X)	42.3
36621 13	Medium and high frequency (300 kc to 30 mc)				
36621 14	Very high frequency and ultra high frequency -- to 890 megacycles	(X)	60.0	(X)	43.7
36621 15	Microwave line-of-sight; microwave scatter; and microwave video relay, except studio-transmitter link	(X)	173.9	(X)	104.5
	Transmitters and RF power amplifiers, radio communications (point-to-point), except amateur and Citizens Radio, sold separately:				
36621 31	Very low frequency and low frequency (below 300 kc)	(X)	5.2	(X)	15.8
36621 33	Medium and high frequency (300 kc to 30 mc)	(X)	27.0	(X)	42.6
36621 34	Very high frequency and ultra high frequency -- to 890 megacycles				
36621 35	Microwave line-of-sight; microwave scatter; and microwave video relay, except studio television link	(X)	78.4	(X)	47.6
36621 43	Associated ground equipment for space satellite communications systems (including telemetering, synchronization, relay, and command and control equipment)	(X)	128.2	(X)	26.9
36621 45	Sonar communications systems and equipment	(X)	(1)	(X)	(1)
36621 47	Carrier current communications systems and equipment, n.e.c.	(X)	38.9	(X)	(1)
	Mobile radio systems, sold as complete packages, including transceivers, base stations, power amlifiers, antennae, repeaters, transmitters, receivers, etc., except amateur and Citizens Radio:				
36621 51	Airborne	(X)	103.0	(X)	26.3
36621 53	Marine	(X)	4.3	(X)	5.4
36621 55	Ground	(X)	287.3	(X)	188.8
	Mobile transceivers and transmitters, except amateur and Citizens Radio, sold separately:				
36621 61	Airborne	(X)	34.5	(X)	11.4
36621 63	Marine	(X)	5.7	(X)	76.2
36621 65	Ground	(X)	50.2	(X)	
36621 81	Portable receivers, transceivers, and transmitter-receivers, except amateur and Citizens Radio	(NA)	97.9	27.4	16.5
	Amateur radio communications equipment, fixed, mobile, and portable:				
36621 83	Transmitters and RF power amplifiers	(X)	1.9	(X)	2.4
36621 85	Receivers	(X)	3.1	23.7	5.2
36621 87	Other (transceivers, transmitter-receivers, etc.)	(X)	5.3	(X)	10.9
36621 89	Citizens radio communication equipment	182.2	14.7	170.4	15.3
36621 93	Electronic checkout, monitoring, evaluation, and other electronic support equipment for communications systems	(X)	30.7	(X)	33.9
36621 98	Other communications equipment, sold separately	(X)	[1]201.1	(X)	[1]129.8
36621 92	Communications antennae, below 890 megacycles	(X)	20.8	(X)	20.9
36621 94	Microwave, antenna systems above 890 megacycles (horns, parabolas, etc.), exclude structural towers, sold separately	(X)	9.6	(X)	11.6
36622 --	Radio and television brodcast equipment, and closed circuit systems, total	(X)	322.2	(X)	143.4
	Transmitters, RF power amplifiers, and related equipment:				
36622 32	AM	(X)	9.3	(X)	6.0
36622 33	FM	(X)	3.3	(X)	1.4
36622 34	TV	(X)	10.4	(X)	6.0
36622 35	TV boosters and repeaters				
36622 36	Other (broadcast transmission line equipment, phasing equipment, etc.)	(X)	14.8	(X)	5.6
36622 51	Studio transmitter links (STL) and remote pickups equipment	(X)	4.0	(X)	1.5
	Audio equipment:				
36622 12	Amplifiers	260.5	20.1	(X)	9.7
36622 13	Control consoles and switchers	1.8	3.6	0.8	1.3
36622 14	Broadcast recorders	(NA)	(2)	12.4	7.4
36622 15	Turntables	30.6	1.9	35.1	1.7
36622 16	Other (power supplies, terminal equipment, etc.)	(X)	[2]21.8	(X)	6.6

See footnotes at end of table.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
36622 --	Radio and television broadcast equipment, and closed circuit systems--Continued				
	Video equipment:				
36622 22	Amplifiers	22.9	8.1	3.9	1.2
36622 23	Cameras (TV and TV camera chains)	(X)	(3)	(X)	8.8
36622 24	Control consoles and switchers	(NA)	5.3	0.4	2.3
36622 25	Film equipment (broadcast film cameras, multiplexers, projectors, etc.)	(X)	(3)	(X)	4.7
36622 26	Monitors	22.3	5.4	8.3	2.7
36622 27	Video tape recorders	(X)	3107.9	(X)	27.2
36622 28	Other (power supplies, synchronization equipment, terminal equipment, etc.)				
36622 30	Broadcasting transmitting antennae	(X)	4.3	(X)	0.8
36622 31	Community antennae systems except structural towers, sold separately	(X)	19.8	(X)	5.4
	Other broadcast, studio, theatre, and commercial sound equipment, sold separetely (excluding studio lighting equipment, radiating and supporting towers, and closed circuit TV and cameras):				
36622 37	Broadcast and studio sound effects equipment	(X)	1.4	(X)	4.0
36622 38	Theatre sound equipment				
	Electronic kits to be assembled by purchaser:				
36622 92	Amateur equipment kits			(X)	5.5
36622 93	Test and measuring equipment kits	(X)	23.9		
36622 94	Other kits			(X)	18.6
36622 41	Closed circuit television systems and equipment	(X)	56.9	(X)	14.8

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
36623 --	Intercommunication equipment (except telephone and telegraph) and electric alarm systems and signal systems and devices, total	180.7	129.1
36623 11	Intercommunication equipment, electronically amplified (except intercommunication equipment designed primarily for use in telphone and telegraph networks)	78.3	69.4
	Vehicular and pedestrian traffic control equipment:		
36623 42	Signal heads, including parts and accessories	14.8	12.3
36623 43	Electronic and electro-mechanical controllers, detectors, and sensors; including parts and accessories	31.2	6.0
36623 47	Alarm systems, electronic	56.5	41.4
36624 --	Electronic navigational aids, except missile-borne and space vehicle-borne equipment, total	1,117.3	1,257.8
36624 13	Nonmissile and space vehicle guidance equipment (ground, ship, or airborne command guidance systems, etc.)	110.4	269.6
36624 14	Electronic checkout, launching, and other missile and space vehicle support systems (ground, ship, and air)	170.8	239.8
	Navigational systems and equipment (NAV AIDS) for aircraft, ship and ground navigation (autopilots, beacons, transponders, collision warning devices, DECCA, DME, ILS, Doppler navigation systems, inertial navigational systems, optical/laser, LORAN, radio compasses and direction finders, SHORAN, TACAN, VOR, VORTAC equipment, etc.):		
36624 15	Airborne navigational systems	628.5	459.5
36624 16	Surface (ship and ground) navigational systems	49.1	78.7
36624 17	Underwater navigational systems		133.5
36624 18	Electronic checkout, monitoring, evaluation, and other electronic support equipment for navigational systems and equipment	158.6	76.7
36625 --	Electronic search and detection apparatus, including radar, infrared and sonar, total	1,580.8	1,563.9
36625 12	Light reconnaissance and surveillance electronic systems and equipment, including electronic checkout, minitoring, evaluation, and other electronic support equipment for light reconnaissance and surveillance electronic systems (infrared, ultraviolet, and visible light	174.8	235.5
	Miscellaneous search, detection, identification, and tracking systems and equipment	70.4	20.2
	Radar systems and equipment:		
	Search, detection, and acquisition radar systems and equipment (BMEWS, airborne, and other early warning radars, air traffic control radars, air defense and fighter control radars, ship radars, harbor control radars, meteorological radars, etc.):		
36625 42	Airborne and missile/space radars	115.1	105.9
36625 44	Ship (marine) radars	32.6	52.2
36625 46	Ground radars	143.0	315.1
	Tracking radar systems and equipment (fire-control, bombing, bombing-navigational radars, aircraft and missile tracking radars, etc.):		
36625 62	Airborne and missile/space radars	312.0	58.7
36625 64	Ship (marine) radars	118.2	305.4
36625 66	Ground radars		

See footnotes at end of table.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963-Continued

Product code	Product	Value of shipments including interplant transfers (million dollars) 1967	1963
	Electronic search and detection apparatus, including radar, infrared and sonar--Continued		
	Radar systems and equipment--Continued		
	Instrumentation radar systems and equipment (altimeters, highway speed control radars, missile and space satellite tracking range radars, GCA and other precision approach radars, etc.):		
36625 72	Airborne and missile/space radars	15.3	21.1
36625 74	Ship (marine) radars	65.6	
36625 76	Ground radars		48.0
36625 82	Electronic checkout, monitoring, evaluation, and other electronic support equipment for radar systems	128.4	86.1
	Sonar search, detection, and tracking systems and equipment, including ASW (depth finding, fire control, fusing, guidance, hydrophones, mapping, sonarbuoys, navigation, sonar fish finders, sonar range instrumentation, and other):		
36625 52	Surface ship applications (destroyers, destroyer escorts, etc.)	125.0	41.6
36625 53	Submarine applications	97.4	28.4
36625 54	Submerged fixed systems	16.5	15.6
36625 55	Airborne	37.2	35.1
36625 56	Electronic checkout, monitoring, evaluation, and other electronic support equipment for sonar systems	42.1	35.4
36625 91	Specialized command and control data processing and display equipment sold separately from complete systems	87.1	159.7
36626			
36626 --	Electronic military, industrial, and commercial equipment, n.e.c	1,060.9	663.0
36626 31	Telemetering equipment	[4]184.1	158.4
	Amplifiers, except audio, RF power, and video, sold separately:		
36626 61	Magnetic	2.6	5.6
36626 65	Pulse	([5])	2.5
36626 67	D.C	7.8	6.0
36626 69	Other (differential, facsimile, etc.)	[5]77.4	11.2
36626 71	Automotive equipment, electronic	11.2	10.6
36626 81	Consumer electronic equipment, n.e.c	91.4	74.6
	Ultrasonic equipment:		
36626 22	Cleaners	4.4	2.2
36626 24	Drills, solders, and welders	10.7	0.6
36626 26	Other		3.9
36626 52	Facsimile communications equipment	([4])	3.8
36626 91	Electronic trainers and simulators	102.6	64.3
36626 92	Electronic teaching machines and teaching aids	5.5	7.6
36626 97	Miscellaneous electronic systems, equipment, and subassemblies, n.e.c	472.8	274.7
36626 59	Geophysical electronic equipment (exploration and other specialized geophysical equipment)	27.5	5.6
	Meteorological electronics equipment:		
36626 53	Automatic weather stations, complete airborne, ground and marine packages (sensors, computers, recorders, etc.)		
36626 54	Automatic weather tracking equipment (DF)		
36626 55	Ceilometers, transitometers, and other electronic end of runway equipment	25.9	2.3
36626 56	Space satellite meteorological systems (complete systems: TV scanning, recording equipment, infrared equipment, telemetry links, etc.)		
36626 33	Specialized meteorological telemetering equipment		7.3
36626 57	Particle accelerator electronics equipment and subassemblies for betatrons, cyclotrons, synchrotrons, etc.; linear accelerators: dynamotrons Vandergraff, traveling wave, etc	21.2	
36626 98	Scientific electronic equipment, n.e.c		21.8
36626 96	Other electronic industrial processing equipment	15.5	
36627 41	Space satellite-borne communications systems (complete packages)	43.7	28.4
36628 12	Missile-borne and space vehicle-borne navigations and guidance systems and equipment	856.7	961.4

	Product	Unit of measure	Total shipments including interplant transfers 1967 Quantity	1967 Value (million dollars)	1963 Quantity	1963 Value (million dollars)
36710 --	Electron tubes, receiving type, total		(X)	243.8	(X)	276.1
	Receiving tubes:					
36710 11	Standard, GT, and GT/G	Million units.	36.0	41.5	61.9	58.6
36710 12	Miniature	...do...	208.2	164.6	241.9	177.0
36710 13	Subminiature	...do...	(NA)	37.7	8.8	14.2
36710 15	Other	...do...			24.9	26.2
36720 --	Cathode ray picture tubes, total		(X)	740.9	(X)	243.3

See footnotes at end of table.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963—Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
	Cathode ray picture tubes--Continued					
	Television picture tubes, including rebuilt tubes:					
36720 13	Black and white	Million units	4.2	72.3	10.2	243.3
36720 15	Color	...do	5.6	668.6		
36730 --	Transmitting, industrial, and special purpose electron tube, total		(X)	358.4	(X)	281.4
	Power and special purpose tubes:					
36730 11	High vacuum tubes	1,000 units	3,616.6	70.9	3,154.8	62.6
36730 22	Gas and vapor tubes	...do	1,906.3	24.8	(NA)	27.2
36730 27	Klystrons	...do	(X)	43.8	(X)	52.4
36730 51	Magnetrons	...do	100.6	43.8	68.3	38.6
36730 91	Forward wave tubes	...do	29.1	48.6	19.6	39.2
36730 92	Backward wave tubes	...do	14.4	21.5	6.9	12.5
36730 93	Light sensing tubes		(X)	49.9	(X)	20.0
36730 94	Light emitting and special purpose display tubes	...do	231.0	11.8	160.4	8.4
36730 95	Storage tubes	...do	(X)	24.2	249.9	14.8
36730 96	Miscellaneous special purpose tubes		(X)	19.0	(X)	5.6
3674- --	Semiconductors		(X)	1,103.6	(X)	[6]608.3
36741 --	Integrated microcircuits (Semiconductor networks)		(X)	226.8	(X)	([7])
	Digital:					
36741 13	Monolithic	Million units	71.7	181.1	(X)	([7])
36741 15	Chip	...do	1.0	3.1		
	Analog:					
36741 23	Monolithic	...do	6.2	38.6		
36741 25	Chip	...do	0.1	4.0		
36741 --	Transistors		(X)	428.5	(X)	([6])
36742 61	Silicon	Million units	476.9	289.7	55.5	164.3
36742 65	Germanium	...do	177.5	138.8	221.3	157.1
36742 67	Other (gallium arsenide, silicon carbide, etc.)				(X)	([8])
36743 --	Diodes and rectifiers		(X)	262.7	(X)	([6])
	Diodes, including rectifiers, and related devices:					
	Diodes, general purpose and switching and rectifiers:					
36743 23	Silicon	Million units	1,061.2	206.1	235.3	140.8
36743 43	Germanium	...do	451.5	41.9	411.3	36.7
36743 13	Selenium and copper oxide	...do	35.5	14.7	41.1	15.9
36743 91	Other				(X)	([8])
36749 --	Other semiconductor devices		(X)	185.6	(X)	([6])
	Light sensitive semiconductor devices (all materials: doped germanium, silicon, indium antimonide, lead sulfide, etc.):					
36749 92	Solar cells		(X)	5.3	(X)	7.4
36749 93	Other		(X)	13.8	(X)	4.0
36749 94	Zener diodes (voltage regulator and voltage reference diodes)	Million units	(X)	46.4	10.4	25.9
36749 95	Other semiconductor devices		(X)	85.4	(X)	[8]38.7
36749 96	Semiconductor parts (chips, headers, cans, etc.)		(X)	34.7	(X)	16.5
36792 --	Capacitors for electronic applications, total		(X)	393.0	(X)	305.9
36792 21	Aluminum electrolytic (a.c. and d.c.)	Million units	157.2	64.3	135.4	59.5
36792 31	Tantalum electrolytic	...do	164.5	91.9	45.0	56.9
36792 41	Ceramic dielectric	...do	1,462.6	62.2	1,411.8	50.3
36792 51	Mica dielectric	...do	203.5	23.6	166.3	20.0
36792 61	Capacitors for automotive ignition systems	...do	(X)	47.2	(X)	49.2
36792 62	Other					
36792 12	Paper, metallized paper, film, and dual dielectric		(X)	103.9	(X)	70.0
36793 --	Resistors for electronic applications, total		(X)	414.3	(X)	312.4
36793 11	Composition, fixed	Million units	3,876.0	84.4	2,811.4	72.3
36793 51	Deposited carbon and metal film, fixed	...do	586.8	67.1	207.4	46.9
36793 31	Wire-wound, fixed	...do	232.2	47.5	146.9	44.7
36793 15	Variable nonwire-wound, precision and nonprecision	...do	227.2	92.4	168.1	58.0
36793 36	Variable wire-wound, precision and nonprecision	...do	89.3	99.4	32.9	73.4
36793 55	Other (thermistor, thermistor-bolometers, varister, etc.)	...do	112.4	23.5	55.8	17.1

See footnotes at end of table.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963—Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
36794 --	Coils, transformers, reactors, and chokes for electronic applications, total	.....	(X)	408.7	(X)	259.3
36794 32	Audio transformers	.....	(X)	47.0	(X)	34.5
36794 33	Low frequency chokes and filters	.....	(X)	24.2	(X)	19.1
36794 41	Plate and filament transformers, including auto transformers, except toroidal	.....	(X)	66.4	(X)	50.8
	Pulse transformers:					
36794 62	Computer types	Million units.	(X)	14.7	1.6	4.7
36794 63	Other types	.....	(X)	7.9	(X)	7.0
36794 12	RF chokes	1,000 units...	(X)	16.6	(X)	10.8
36794 13	RF coils and IF transformers	...do.....	(X)	68.3	(X)	44.6
36794 71	Television transformers and reactors (horizontal output, vertical deflection, focus coils, deflection yokes, etc.)	.....	(X)	136.0	(X)	65.9
36794 91	Toroidal windings (transformers and reactors), except complete magnetic amplifiers	.....	(X)	21.5	(X)	17.3
36794 92	Other (balum coils, permeability tuning devices, etc.)	.....	(X)	6.1	(X)	4.6
36795 --	Electronic components, n.e.c., except phonograph needles and cutting styli, total	.....	(X)	2,585.2	(X)	1,342.0
	Magnetic recording media:					
36795 01	Audio range tape		461.3	42.0		
36795 02	Computer tape		537.8	87.6		
36795 03	Instrumentation tape		84.2	10.7	876.9	112.6
36795 04	Video tape		61.3	13.6		
36795 13	Electron tube parts except glass blanks	.....	(X)	74.1	(X)	40.7
36795 31	Phonograph cartridges and pickups	Million units.	11.6	17.9	10.2	14.5
	Complex components (two or more components packaged and shipped as a single unit) except filters and other items listed elsewhere:					
36795 21	Passive component packages, or "modules" assembled from conventional components (RC networks, tone control packages, interstage coupling packages)	.....	(X)	[9]452.5	(X)	5.2
36795 22	Active component packages or "modules" assembled from conventional components	.....	(X)	188.1	(X)	78.8
36795 23	Active or passive component packages or "modules": assembled from components fabricated during the assembly process or from specially designed, discrete, miniature components designed only for use in modules	.....	(X)	([9])	(X)	19.1
36795 25	Integrated circuitry (semiconductor networks)	.....	(X)	([6])	(X)	9.2
36795 26	Molecular circuitry (functional electronic blocks)	.....				
36795 32	Switches, mechanical types for electronic circuitry (coaxial, tap, rotary wafer, slide selector and similar types)	.....	(X)	61.6	(X)	37.6
	Static power supply converters for electronic applications, sold separately:					
36795 43	Regulated	.....	(X)	79.8	(X)	49.6
36795 44	Unregulated	1,000 units...	(X)	4.9	26.4	4.4
36795 45	Variable frequency	.....	(X)	1.2	(X)	1.2
36795 46	Other (a.c., d.c., converters and inverters, klystron, vibrator, etc.)	.....	(X)	8.9	(X)	8.0
	Relays for electronic applications:					
36795 33	Clapper, rotary, plunger, or solenoid	Million units.	(X)	[10]156.9	1.6	[10]15.9
36795 34	Other	...do.....			(X)	23.8
36795 35	Home antennae	...do.....	20.2	59.2	12.8	34.2
36795 37	Auto antennae	...do.....	16.5	22.2	9.0	16.4
36795 52	Printed circuit boards, printed cables, and forms already etched, placed, etc,. ready for component insertion	.....	(X)	141.7	(X)	76.8
36795 95	Quartz crystals	Million units.	(X)	56.6	14.8	44.2
	Transducers, electrical/electronic input or output, n.e.c.:					
	Acoustical:					
36795 11	Sonar	.....	(X)	4.5	(X)	6.3
36795 12	Ultrasonic, vibration, etc	.....	(X)	1.2	(X)	2.4
	Mechanical:					
36795 14	Accelerometers	1,000 units...	19.6	7.9	41.9	10.3
36795 15	Pressure	...do.....	60.7	18.0	46.2	15.3
36795 16	Strain gauges and other mechanical	.....	(X)	10.8	(X)	8.9

See footnotes at end of table.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963—Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
36795 --	Electronic components, n.e.c., except phonograph needles and cutting styli--Continued					
	Transducers, electrical/electronic input or output, n.e.c.--Continued					
36795 18	Thermal (pyrometers, thermo-couples, etc. - excluding bimetallic, mercury, and other mechanical output types)	.....	(X)	8.9	(X)	7.8
36795 19	Other: Optical (including any not covered under crystal, etc.), chemical, magnetic, nuclear, etc	.....	(X)	25.0	(X)	8.9
36795 41	Frequency synthesizers	.....	(X)	([11])	(X)	([11])
36795 97	Cryogenic cooling devices (cryostats, etc.) for infrared detectors, masers, etc	.....	(X)	([11])	(X)	([11])
36795 28	Delay lines	.....	(X)	11.5	(X)	8.9
36795 29	Earphones and headsets, except telephone	1,000 units...	2,654.7	18.5	(X)	14.5
36795 38	Antennae accessories	.....	(X)	41.4	(X)	32.5
	Microwave components and devices, except antennae, tubes, and semi-conductors:					
	Ferrite (including yttrium garnets) microwave components:					
36795 61	Circulators, all types (permanent magnet)	1,000 units...	20.7	5.1	6.5	2.2
36795 62	Circulators (electromagnetic), used as switches, modulators, etc	.....	(NA)	[12]1.8	(X)	[12]0.9
36795 63	Isolators	1,000 units...	47.8	7.4	48.6	5.4
36795 64	Phase shifters	.....	(X)	([12])	(X)	([12])
36795 65	Other ferrite microwave components	.....	(X)	3.1	(X)	2.9
	Microwave devices, other than ferrite and solid state:					
36795 66	Attenuators, dummy loads, high and low power terminations, etc	.....	(X)	9.6	(X)	9.2
36795 67	Cavities	.....	(X)	5.4	(X)	3.3
36795 68	Couplers (directional couplers, hybrid junctions, etc.)	1,000 units...	98.5	9.8	42.1	4.8
36795 69	Duplexers and diplexers, except electric tubes and ferrite devices	...do.....	(X)	3.4	5.4	1.9
36795 71	Reactive microwave components, n.e.c	.....	(X)	7.2	(X)	6.9
36795 73	Rotary joints and sector scan joints	.....	(X)	2.9	(X)	1.3
36795 74	Switches, coaxial and waveguide	1,000 units...	176.6	8.9	144.8	8.2
36795 75	Rigid waveguides and fittings	.....	(X)	14.3	(X)	9.7
36795 77	Flexible waveguides and fittings	.....	(X)	38.3	(X)	3.4
36795 78	Other microwave components, except ferrite devices	.....			(X)	23.3
	Microwave subassemblies:					
36795 56	Parametric amplifiers	.....	(X)	3.1	(X)	3.8
36795 57	Other solid state assemblies (frequency miltipliers, harmonic generators, etc	.....	(X)	10.1	(X)	2.3
36795 53	Pulse forming networks	.....	(X)	0.5	(X)	1.8
36795 54	Recording and reproducing heads	.....	(X)	7.8	(X)	9.4
	Connectors:					
36795 81	RF	Millions of connector equivalents.	54.2	48.7	40.6	30.6
36795 82	Cylindrical	...do.....	51.3	128.3	23.9	77.1
36795 83	Rack and panel	...do.....	(NA)	82.6	31.4	45.6
36795 84	Printed circuit	...do.....	49.3	67.7	29.7	40.6
36795 85	Fusion sealed	...do.....	9.4	13.3	2.1	9.6
36795 86	Other	.....	(X)	88.8	(X)	71.0
	Crystals, filters, and related devices:					
	Filter, except microwave:					
36795 92	LC, RC, etc	1,000 units..	1,672.9	26.6	1,001.2	14.3
36795 91	Infrared, ultra violet, etc., excluding optical lenses (germanium silicon, fused quartz, rock salt, and other)	.....	(X)	9.8	(X)	7.1
36795 93	Mechanical	.....				
36795 94	Quartz and other piezoelectric filters	.....	(X)	16.0	(X)	6.1
36795 96	Other crystals (ADP, Rochelle salt, ruby, garnet, etc.)	.....	(X)	4.9	(X)	2.9
36795 39	Electronic parts, n.e.c., and specialized electronic hardware	.....	(X)	[11]332.9	(X)	[11]227.7

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Figures on sonar communication systems and equipment, are included with other communication equipment, sold separately (3662198) in order to avoid disclosing figures of individual companies.

[2]Figures on "Broadcast recorders" are included with "other audio equipment" (3662216) in 1967 in order to avoid disclosing figures of individual companies.

[3]Figures on "Cameras (TV and TV camera chains)" and "Film equipment" are included with the combined figure for "video tape recorders" (3662227) and "other video equipment" (3662228) for 1967.

[4]Figures on "Facsimile communications equipment" (3662652) are included with "Telemetering systems and equipment, n.e.c., sold separately" (3662631).

[5]Figures on "Pulse amplifiers" (3662665) are included with "other amplifiers (differential, facsimile, etc.)" (3662669) for 1967.

TABLE 6A-2. Selected Electronic and Associated Products—Quantity and Value of Shipments: 1967 and 1963—Continued

Footnotes for table 6A-2--Continued

[6]In 1963 industry 3674 had only one product class.

[7]Figures for integrated and molecular circuitry were included in product class 36795, "Electronic products, n.e.c." in 1963 and in 36741, "Semiconductor curcuit networks" in 1967.

[8]Figures on "other transistors" and "other diodes" are included with "other semiconductor devices" 3674995 in 1963 in order to avoid disclosing figures of individual companies.

[9]Figures on "Modules" (3679523) are included with "Passive component packages", (3679521).

[10]The following figures were published in Current Industrial Reports Series MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls:

Product	1967 millions	1963 millions
Total (Series MA36A).....	5,245.1	5,163.7
Switchboard relays.....	59.4	39.9
Circuit relays:		
A.c. and d.c. magnetic control....	171.4	114.2
Overload relays.....	14.3	9.6

The Series MA36A values, when added to the comparable values for relays for electronic applications, result in the following total for 1967, and 1963: respectively; 402.0 and 203.4.

[11]Figures on "Frequency synthesizers" and "Cryogenic cooling devices" are included with "Electronic parts, n.e.c., and specialized electronic hardware" (3679539) in order to avoid disclosing figures of individual companies.

[12]Figures on "Phase shifters" are included with "Circulators (electromagnetic), used as switches, modulators, etc.," to avoid disclosing figures of individual companies.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
HOUSEHOLD, AUTOMOBILE RADIOS, RADIO-PHONOGRAPHS (36511)		
United States	697.4	531.3
Northeast Region	185.0	116.6
New England Div.	32.6	16.1
Massachusetts	32.6	(1)
Middle Atlantic Div.	152.4	100.5
New York	95.3	71.3
New Jersey	EE	(1)
Pennsylvania	FF	(1)
North Central Region	371.5	324.1
East North Central Div.	GG	(D)
Ohio	EE	(1)
Indiana	GG	153.9
Illinois	154.3	151.6
Michigan	BB	(D)
West North Central Div.	EE	(D)
Minnesota	AA	(D)
Iowa	EE	(1)
South Region	138.6	79.6
South Atlantic Div.	FF	(D)
Maryland	FF	(1)
North Carolina	EE	(D)
East South Central Div.	GG	(D)
Kentucky	FF	(1)
Tennessee	GG	(1)
West Region	2.2	11.1
Pacific Div.	2.2	(D)
California	2.2	(1)
HOUSEHOLD TV RECEIVERS AND TV COMBINATIONS (36512)		
United States	2,259.7	1,092.3
Northeast Region	378.3	270.8
New England Div.	BB	(D)
Massachusetts	BB	(1)
Middle Atlantic Div.	GG	(D)
New York	180.9	(1)
New Jersey	GG	(1)
Pennsylvania	GG	(1)
North Central Region	1,318.4	706.4
East North Central Div.	1,295.8	(D)
Ohio	AA	(D)
Indiana	GG	(1)
Illinois	818.7	(1)
Michigan	AA	(D)
Wisconsin	BB	(D)
West North Central Div.	22.6	(D)
Minnesota	CC	(1)
Missouri	EE	(D)
South Region	520.1	(D)
South Atlantic Div.	GG	(D)
Virginia	GG	(D)
North Carolina	FF	(D)
HOUSEHOLD TV RECEIVERS AND TV COMBINATIONS (36512)--Continued		
South Region--Con.		
East South Central Div.	GG	(D)
Kentucky	BB	(D)
Tennessee	GG	(1)
West South Central Div.	GG	(D)
Arkansas	GG	(1)
Texas	EE	(1)
West Region	43.0	(D)
Pacific Div.	43.0	(D)
California	43.0	(1)
RECORDERS, PHONOGRAPHS, AND RADIO AND TV CHASSIS (36514)		
United States	396.1	(NA)
Northeast Region	135.4	(NA)
New England Div.	29.4	(NA)
Massachusetts	FF	(NA)
Middle Atlantic Div.	106.0	(NA)
New York	GG	(NA)
New Jersey	15.1	(NA)
Pennsylvania	FF	(NA)
North Central Region	197.3	(NA)
East North Central Div.	GG	(NA)
Indiana	30.0	(NA)
Illinois	118.0	(NA)
Michigan	34.8	(NA)
West North Central Div.	EE	(NA)
Minnesota	EE	(NA)
Iowa	AA	(NA)
South Region	53.2	(NA)
South Atlantic Div.	BB	(NA)
Maryland	AA	(NA)
North Carolina	BB	(NA)
East South Central Div.	35.8	(NA)
Kentucky	EE	(NA)
Tennessee	22.5	(NA)
West South Central Div.	EE	(NA)
Arkansas	EE	(NA)
West Region	10.3	(NA)
Pacific Div.	10.3	(NA)
California	10.3	(NA)
SPEAKER SYSTEMS, ELECTRONIC KITS, SOUND EQUIPMENT, ETC. (36515)		
United States	184.8	(NA)
Northeast Region	35.2	(NA)
New England Div.	4.3	(NA)
Connecticut	3.3	(NA)
Middle Atlantic Div.	31.0	(NA)
New York	13.6	(NA)
New Jersey	EE	(NA)
Pennsylvania	BB	(NA)
SPEAKER SYSTEMS, ELECTRONIC KITS, SOUND EQUIPMENT, ETC. (36515)		
North Central Region	97.1	(NA)
East North Central Div.	85.5	(NA)
Ohio	CC	(NA)
Indiana	CC	(NA)
Illinois	46.7	(NA)
Michigan	12.8	(NA)
Wisconsin	EE	(NA)
West North Central Div.	11.6	(NA)
Minnesota	AA	(NA)
Iowa	CC	(NA)
South Region	31.4	(NA)
East South Central Div.	14.7	(NA)
Kentucky	CC	(NA)
Tennessee	BB	(NA)
Mississippi	AA	(NA)
West South Central Div.	16.4	(NA)
Oklahoma	EE	(NA)
Texas	BB	(NA)
West Region	21.0	(NA)
Pacific Div.	FF	(NA)
California	FF	(NA)
TELEPHONE SWITCHING AND SWITCHBOARD EQUIPMENT, (36611)		
United States	840.4	491.3
Northeast Region	GG	(D)
Middle Atlantic Div.	GG	(D)
New York	GG	(1)
New Jersey	GG	(1)
North Central Region	GG	(D)
East North Central Div.	GG	(D)
Ohio	GG	(1)
Illinois	GG	(1)
Wisconsin	AA	(D)
West North Central Div.	GG	(D)
Minnesota	BB	(D)
Nebraska	GG	(1)
South Region	GG	(D)
South Atlantic Div.	CC	(D)
Virginia	CC	(1)
East South Central Div.	FF	(D)
Tennessee	FF	(1)
West South Central Div.	GG	(D)
Oklahoma	GG	(1)
OTHER TELEPHONE, TELEGRAPH (WIRE) APPARATUS (36612)		
United States	1,399.0	1,045.2
Northeast Region	381.5	360.5
New England Div.	GG	(D)
Massachusetts	GG	184.8
Connecticut	FF	(1)
Middle Atlantic Div.	GG	(D)
New York	25.1	47.9
New Jersey	GG	121.0

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
OTHER TELEPHONE, TELEGRAPH (WIRE) APPARATUS (36612)--Continued		
North Central Region....	GG	471.9
East North Central Div....	GG	413.0
Ohio.....	FF	(1)
Indiana.....	GG	(1)
Illinois.....	330.6	252.8
Wisconsin.....	BB	(1)
West North Central Div....	GG	58.9
Missouri.....	FF	(1)
Nebraska.....	EE	(1)
South Region.....	GG	(D)
South Atlantic Div.....	GG	(D)
Maryland.....	GG	(1)
Virginia.....	EE	(D)
North Carolina.....	GG	(1)
South Carolina.....	BB	(D)
East South Central Div....	EE	(D)
Tennessee.....	CC	(1)
Mississippi.....	EE	(1)
West South Central Div....	GG	(D)
Arkansas.....	FF	(D)
Louisiana.....	FF	(D)
Oklahoma.....	GG	(1)
West Region.....	GG	(D)
Pacific Div.....	GG	(D)
Oregon.....	CC	(1)
California.....	GG	(D)
ELECTRONIC COMMUNICATION EQUIPMENT, EXCEPT TELEPHONE EQUIPMENT (36621)		
United States.....	1,615.9	1,081.0
Northeast Region.....	622.2	342.4
New England Div.....	106.1	87.8
Maine.....	BB	(D)
New Hampshire.....	AA	(1)
Massachusetts.....	87.6	65.7
Connecticut.....	14.4	16.6
Middle Atlantic Div.....	516.1	254.6
New York.....	227.3	120.4
New Jersey.....	179.5	79.0
Pennsylvania.....	109.3	55.2
North Central Region....	467.5	440.3
East North Central Div....	268.1	316.7
Ohio.....	27.3	126.5
Indiana.....	45.6	(1)
Illinois.....	194.6	154.9
West North Central Div....	199.4	123.6
Minnesota.....	EE	(1)
Iowa.....	GG	(1)
Missouri.....	FF	(1)
South Dakota.....	AA	(D)
Nebraska.....	BB	(D)
Kansas.....	CC	(1)
South Region.....	374.8	215.6
South Atlantic Div.....	218.6	(D)
Maryland.....	66.0	50.8
Virginia.....	GG	(1)
North Carolina.....	BB	12.0
South Carolina.....	AA	(1)
Florida.....	77.6	15.9
ELECTRONIC COMMUNICATION EQUIPMENT, EXCEPT TELEPHONE EQUIPMENT--Continued		
South Region--Con.		
West South Central Div....	156.2	(D)
Arkansas.....	BB	(D)
Texas.....	GG	(1)
Oklahoma.....	CC	(D)
West Region.....	151.4	82.7
Mountain Div.....	20.9	7.2
Colorado.....	AA	(D)
Arizona.....	BB	(1)
Utah.....	EE	(D)
Pacific Div.....	130.6	75.5
Washington.....	EE	(D)
California.....	GG	74.9
RADIO, TV BROADCAST EQUIPMENT; CLOSED CIRCUIT SYSTEMS (36622)		
United States.....	344.1	150.9
Northeast Region.....	181.9	77.0
New England Div.....	11.7	6.0
Massachusetts.....	EE	(1)
Connecticut.....	AA	(D)
Middle Atlantic Div.....	170.1	71.0
New York.....	FF	19.8
New Jersey.....	77.5	42.7
Pennsylvania.....	FF	8.5
North Central Region....	64.1	31.1
East North Central Div....	61.9	26.2
Ohio.....	BB	(1)
Indiana.....	BB	(D)
Illinois.....	34.6	9.6
Michigan.....	FF	(1)
West North Central Div....	2.2	4.9
Missouri.....	AA	(D)
South Region.....	25.1	9.0
South Atlantic Div.....	10.1	6.3
Maryland.....	5.2	6.2
Virginia.....	BB	(D)
Georgia.....	AA	(D)
East South Central Div....	BB	-
Tennessee.....	BB	-
West South Central Div....	EE	2.7
Texas.....	EE	(1)
West Region.....	73.0	33.6
Mountain Div.....	14.3	1.2
Colorado.....	EE	(D)
Utah.....	AA	(D)
Pacific Div.....	58.8	32.4
California.....	GG	(1)
INTERCOMMUNICATION EQUIPMENT, ELECTRIC ALARM SYSTEMS (36623)		
United States.....	231.0	165.8
Northeast Region.....	135.9	116.1
New England Div.....	37.6	23.9
Massachusetts.....	17.5	10.3
Connecticut.....	20.1	13.6
INTERCOMMUNICATION EQUIPMENT, ELECTRIC ALARM SYSTEMS (36623)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.....	98.3	92.2
New York.....	GG	53.7
New Jersey.....	14.4	(1)
Pennsylvania.....	FF	(1)
North Central Region....	46.5	33.0
East North Central Div....	31.0	24.8
Ohio.....	17.3	12.0
Illinois.....	CC	11.7
Michigan.....	BB	(D)
West North Central Div....	15.5	8.2
Minnesota.....	BB	(1)
Iowa.....	CC	(1)
Missouri.....	BB	1.2
Nebraska.....	BB	(D)
South Region.....	13.5	8.0
South Atlantic Div.....	2.2	(D)
Maryland.....	AA	(D)
East South Central Div....	6.9	(D)
Kentucky.....	AA	(1)
Tennessee.....	CC	(D)
West South Central Div....	4.4	(D)
Texas.....	3.1	2.3
West Region.....	35.1	8.6
Pacific Div.....	(D)	8.6
California.....	34.5	8.6
ELECTRONIC NAVIGATIONAL AIDS (EXCEPT SPACE VEHICLE BORNE) (36624)		
United States.....	1,215.1	1,295.3
Northeast Region.....	383.1	421.9
New England Div.....	100.5	94.8
Massachusetts.....	96.5	87.5
Connecticut.....	4.0	(1)
Middle Atlantic Div.....	282.6	327.1
New York.....	209.1	252.0
New Jersey.....	GG	(1)
Pennsylvania.....	AA	(1)
North Central Region....	151.1	139.0
East North Central Div....	19.4	(D)
Indiana.....	EE	(1)
Illinois.....	1.8	6.6
Michigan.....	BB	(D)
Wisconsin.....	AA	(D)
West North Central Div....	131.7	(D)
Minnesota.....	FF	(1)
Iowa.....	GG	(1)
Missouri.....	CC	(1)
South Region.....	187.9	147.1
South Atlantic Div.....	GG	(D)
Maryland.....	9.7	(1)
Virginia.....	FF	(1)
Florida.....	64.6	17.7
East South Central Div....	CC	(D)
Tennessee.....	CC	(1)
West South Central Div....	85.0	(D)
Texas.....	(D)	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
ELECTRONIC NAVIGATIONAL AIDS (EXCEPT SPACE VEHICLE BORNE) (36624)--Con.		
West Region	493.0	571.7
Mountain Div.	35.4	12.1
Colorado	BB	(D)
Arizona	EE	12.0
Utah	FF	(D)
Pacific Div.	457.6	559.6
California	457.6	559.6
ELECTRONIC DETECTION APPARATUS, RADAR, SONAR, ETC. (36625)		
United States	1,671.2	1,644.9
Northeast Region	738.6	837.4
New England Div.	269.9	266.3
New Hampshire	CC	(1)
Massachusetts	167.8	208.7
Rhode Island	FF	(1)
Connecticut	GG	21.3
Middle Atlantic Div.	468.7	571.1
New York	352.9	441.0
New Jersey	GG	107.9
Pennsylvania	FF	22.3
North Central Region	144.0	175.9
East North Central Div.	GG	(D)
Ohio	46.0	(1)
Indiana	EE	(1)
Illinois	45.7	28.2
Michigan	EE	(1)
Wisconsin	2.6	(1)
West North Central Div.	EE	(D)
Iowa	CC	(D)
Missouri	CC	(D)
South Region	390.0	317.3
South Atlantic Div.	295.1	(D)
Maryland	GG	(1)
Virginia	EE	(1)
West Virginia	BB	(D)
North Carolina	FF	(1)
Georgia	BB	(D)
Florida	16.8	(1)
East South Central Div.	EE	(D)
Tennessee	EE	(1)
West South Central Div.	GG	(D)
Texas	GG	44.6
West Region	398.6	314.3
Mountain Div.	63.8	32.9
Arizona	FF	(1)
Utah	EE	(1)
Pacific Div.	334.8	281.4
Washington	BB	(1)
Oregon	AA	(D)
California	329.6	(1)
ELECTRONIC MILITARY, INDUSTRIAL, COMMUNICATION EQUIPMENT, N.E.C. (36626)		
United States	1,148.7	723.9
Northeast Region	561.4	251.6
New England Div.	182.0	73.9
New Hampshire	GG	(1)
Massachusetts	GG	54.8
Connecticut	FF	10.6
ELECTRONIC MILITARY, INDUSTRIAL, COMMUNICATION EQUIPMENT, N.E.C. (36626)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	379.4	177.7
New York	216.9	112.8
New Jersey	119.6	46.3
Pennsylvania	42.9	18.7
North Central Region	141.6	127.6
East North Central Div.	120.6	121.4
Ohio	FF	12.7
Indiana	6.3	(1)
Illinois	69.0	65.2
Michigan	10.9	3.5
Wisconsin	EE	(1)
West North Central Div.	21.0	6.2
Minnesota	8.5	2.1
Missouri	11.8	3.5
South Region	146.5	129.2
South Atlantic Div.	79.0	(D)
Maryland	38.1	25.6
Virginia	CC	14.1
West Virginia	BB	(D)
Florida	27.0	55.0
East South Central Div.	10.3	(D)
Kentucky	BB	(D)
Tennessee	CC	(D)
West South Central Div.	57.2	(D)
Oklahoma	12.9	14.5
Texas	44.2	13.9
West Region	299.2	215.6
Mountain Div.	FF	14.9
Colorado	AA	(D)
New Mexico	BB	(1)
Arizona	FF	(1)
Pacific Div.	GG	200.7
Washington	EE	(1)
Oregon	AA	(D)
California	248.4	197.0
SPACE SATELLITE-BORNE COMMUNICATIONS EQUIPMENT (36627)		
United States	44.6	(NA)
Northeast Region	9.4	(NA)
Middle Atlantic Div.	CC	(NA)
New Jersey	CC	(NA)
Pennsylvania	BB	(NA)
North Central Region	12.5	(NA)
East North Central Div.	BB	(NA)
Ohio	BB	(NA)
West North Central Div.	EE	(NA)
Iowa	EE	(NA)
South Region	6.4	(NA)
South Atlantic Div.	CC	(NA)
Maryland	CC	(NA)
Florida	AA	(NA)
West Region	16.4	(NA)
Mountain Div.	EE	(NA)
Colorado	CC	(NA)
Arizona	BB	(NA)
Pacific Div.	CC	(NA)
California	CC	(NA)
MISSILE-BORNE NAVIGATION, GUIDANCE SYSTEMS (36628)		
United States	848.9	978.6
Northeast Region	214.0	321.2
New England Div.	54.8	70.7
Massachusetts	FF	63.7
Connecticut	CC	(1)
Middle Atlantic Div.	159.3	250.5
New York	GG	(1)
New Jersey	FF	(1)
Pennsylvania	FF	(1)
North Central Region	50.3	105.0
East North Central Div.	EE	(D)
Ohio	BB	(1)
Indiana	AA	(D)
Michigan	CC	(1)
Wisconsin	CC	(1)
West North Central Div.	FF	(D)
Minnesota	FF	(1)
South Region	116.1	86.0
South Atlantic Div.	GG	(D)
Maryland	AA	(1)
Florida	FF	(1)
East South Central Div.	FF	(D)
Tennessee	FF	(1)
Alabama	BB	(1)
West South Central Div.	FF	(D)
Oklahoma	AA	(D)
Texas	FF	(1)
West Region	468.5	466.4
Mountain Div.	BB	1.6
Arizona	BB	(1)
Pacific Div.	GG	464.8
Washington	BB	(1)
California	GG	(1)
MICROWAVE AND MOBILE TELEPHONE COMMUNICATION EQUIPMENT (36629)		
United States	165.8	(NA)
Northeast Region	52.7	(NA)
New England Div.	21.9	(NA)
Maine	AA	(NA)
Massachusetts	EE	(NA)
Middle Atlantic Div.	30.8	(NA)
New York	2.9	(NA)
New Jersey	EE	(NA)
Pennsylvania	EE	(NA)
North Central Region	FF	(NA)
East North Central Div.	1.4	(NA)
West North Central Div.	FF	(NA)
Missouri	FF	(NA)
South Region	GG	(NA)
South Atlantic Div.	2.3	(NA)
Virginia	AA	(NA)
West South Central Div.	GG	(NA)
Texas	GG	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
MICROWAVE AND MOBILE TELEPHONE COMMUNICATION EQUIPMENT (36629)--Con.		
West Region	EE	(NA)
Pacific Div.	11.3	(NA)
California	11.3	(NA)
INTEGRATED MICROCIRCUITS (SEMICONDUCTOR NETWORKS) (36741)		
United States	247.5	(NA)
Northeast Region	66.8	(NA)
New England Div.	47.7	(NA)
Maine	FF	(NA)
Massachusetts	EE	(NA)
Connecticut	CC	(NA)
Middle Atlantic Div.	19.2	(NA)
New York	CC	(NA)
New Jersey	CC	(NA)
Pennsylvania	2.2	(NA)
North Central Region	AA	(NA)
South Region	GG	(NA)
South Atlantic Div.	EE	(NA)
Maryland	EE	(NA)
North Carolina	AA	(NA)
Florida	4.8	(NA)
West South Central Div.	GG	(NA)
Texas	GG	(NA)
West Region	108.0	(NA)
Mountain Div.	38.6	(NA)
Arizona	FF	(NA)
Utah	CC	(NA)
Pacific Div.	69.4	(NA)
California	69.4	(NA)
TRANSISTORS (36742)		
United States	447.0	(NA)
Northeast Region	186.3	(NA)
New England Div.	52.6	(NA)
Maine	EE	(NA)
New Hampshire	CC	(NA)
Massachusetts	12.0	(NA)
Rhode Island	CC	(NA)
Connecticut	CC	(NA)
Middle Atlantic Div.	133.7	(NA)
New York	49.2	(NA)
New Jersey	10.5	(NA)
Pennsylvania	74.0	(NA)
North Central Region	FF	(NA)
East North Central Div.	FF	(NA)
Ohio	EE	(NA)
Indiana	CC	(NA)
West North Central Div.	EE	(NA)
Missouri	EE	(NA)
South Region	GG	(NA)
South Atlantic Div.	CC	(NA)
Maryland	CC	(NA)
Florida	AA	(NA)
West South Central Div.	GG	(NA)
Texas	GG	(NA)
West Region	GG	(NA)
Mountain Div.	GG	(NA)
Arizona	GG	(NA)
TRANSISTORS (36742)--Con.		
West Region--Con.		
Pacific Div.	59.5	(NA)
California	59.5	(NA)
DIODES AND RECTIFIERS (36743)		
United States	287.5	(NA)
Northeast Region	132.9	(NA)
New England Div.	55.3	(NA)
New Hampshire	EE	(NA)
Massachusetts	39.5	(NA)
Rhode Island	BB	(NA)
Middle Atlantic Div.	77.6	(NA)
New York	FF	(NA)
New Jersey	17.3	(NA)
Pennsylvania	FF	(NA)
North Central Region	24.7	(NA)
East North Central Div.	EE	(NA)
Ohio	BB	(NA)
Indiana	CC	(NA)
Illinois	AA	(NA)
West North Central Div.	EE	(NA)
Missouri	EE	(NA)
South Region	30.6	(NA)
South Atlantic Div.	CC	(NA)
Virginia	BB	(NA)
North Carolina	AA	(NA)
West South Central Div.	FF	(NA)
Texas	FF	(NA)
West Region	99.4	(NA)
Mountain Div.	EE	(NA)
Arizona	EE	(NA)
Pacific Div.	GG	(NA)
California	GG	(NA)
OTHER SEMICONDUCTOR DEVICES (36749)		
United States	176.0	(NA)
Northeast Region	102.5	(NA)
New England Div.	29.3	(NA)
Massachusetts	27.4	(NA)
Connecticut	2.0	(NA)
Middle Atlantic Div.	73.2	(NA)
New York	17.0	(NA)
New Jersey	16.7	(NA)
Pennsylvania	39.5	(NA)
North Central Region	5.6	(NA)
East North Central Div.	BB	(NA)
Indiana	BB	(NA)
West North Central Div.	AA	(NA)
Missouri	AA	(NA)
South Region	FF	(NA)
West South Central Div.	FF	(NA)
Texas	FF	(NA)
West Region	FF	(NA)
Mountain Div.	FF	(NA)
Arizona	FF	(NA)
Pacific Div.	FF	(NA)
California	FF	(NA)
CAPACITORS FOR ELECTRONIC APPLICATIONS (36792)		
United States	430.7	318.8
Northeast Region	162.1	136.5
New England Div.	99.1	90.2
Maine	CC	(D)
New Hampshire	FF	(1)
Vermont	EE	(1)
Massachusetts	29.9	39.5
Rhode Island	BB	(1)
Connecticut	25.6	25.8
Middle Atlantic Div.	62.9	46.3
New York	20.5	17.8
New Jersey	15.0	11.9
Pennsylvania	27.4	16.6
North Central Region	88.1	67.2
East North Central Div.	69.4	(D)
Ohio	20.8	8.6
Indiana	EE	(1)
Illinois	EE	26.6
Wisconsin	12.6	7.1
West North Central Div.	18.7	(D)
Minnesota	2.3	(1)
Missouri	BB	(D)
Nebraska	EE	(1)
South Region	136.4	93.6
South Atlantic Div.	106.6	77.1
Virginia	EE	11.1
North Carolina	27.4	29.1
South Carolina	55.8	35.0
Florida	BB	(1)
East South Central Div.	26.7	13.5
Kentucky	CC	(D)
Tennessee	CC	(1)
Alabama	CC	(1)
Mississippi	BB	(1)
West South Central Div.	3.1	3.0
Texas	3.1	3.0
West Region	44.2	21.6
Mountain Div.	9.1	(D)
Arizona	9.1	(D)
Pacific Div.	35.1	(D)
California	35.1	(1)
RESISTORS FOR ELECTRONIC APPLICATIONS (36793)		
United States	442.4	312.6
Northeast Region	158.5	124.2
New England Div.	29.2	22.2
New Hampshire	18.7	12.7
Massachusetts	EE	(1)
Middle Atlantic Div.	129.3	102.0
New York	40.8	34.1
New Jersey	12.5	7.7
Pennsylvania	76.0	60.2
North Central Region	180.1	138.4
East North Central Div.	126.1	101.9
Ohio	AA	(1)
Indiana	GG	28.3
Illinois	12.6	(1)
Michigan	AA	(1)
Wisconsin	GG	(1)
West North Central Div.	54.1	36.5
Iowa	30.2	19.1
Missouri	CC	(1)
Nebraska	EE	(1)
Kansas	BB	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
RESISTORS FOR ELECTRONIC APPLICATIONS (36793)--Con.		
South Region	45.0	16.5
South Atlantic Div.	FF	(D)
Maryland	AA	(1)
Virginia	CC	(D)
North Carolina	19.7	7.3
Florida	CC	(1)
West South Central Div.	CC	(D)
Texas	CC	(1)
West Region	58.8	33.5
Mountain Div.	AA	(D)
Colorado	AA	(D)
Pacific Div.	GG	(D)
California	GG	(1)
COILS, TRANSFORMERS, REACTORS, CHOKES (ELECTRONIC (36794)		
United States	446.5	274.4
Northeast Region	156.6	99.3
New England Div.	61.2	32.1
Massachusetts	54.8	26.0
Connecticut	5.5	(1)
Middle Atlantic Div.	95.4	67.2
New York	50.5	35.7
New Jersey	24.4	14.0
Pennsylvania	20.5	17.4
North Central Region	211.0	130.4
East North Central Div.	188.7	114.4
Ohio	11.0	12.5
Indiana	67.9	34.2
Illinois	93.9	54.3
Michigan	8.8	8.4
Wisconsin	7.1	5.0
West North Central Div.	22.3	16.0
Minnesota	7.6	4.4
Iowa	CC	(1)
Missouri	5.8	2.6
South Dakota	BB	(D)
COILS, TRANSFORMERS, REACTORS, CHOKES (ELECTRONIC) (36794)--Con.		
South Region	31.4	14.6
South Atlantic Div.	18.2	8.6
Maryland	1.1	(D)
West Virginia	BB	(1)
North Carolina	BB	(D)
Florida	7.5	4.0
East South Central Div.	9.1	3.3
Kentucky	AA	(D)
Tennessee	CC	(1)
West South Central Div.	4.1	2.7
Arkansas	AA	(D)
Texas	BB	2.7
West Region	47.5	30.4
Mountain Div.	1.7	(D)
Pacific Div.	45.8	(D)
Oregon	CC	(D)
California	FF	(1)
OTHER ELECTRONIC COMPONENTS, ACCESSORIES, N.E.C. (36795)		
United States	2,860.4	1,496.7
Northeast Region	1,646.1	702.2
New England Div.	500.3	212.5
Maine	AA	(1)
New Hampshire	CC	(1)
Vermont	GG	(1)
Massachusetts	146.8	107.7
Rhode Island	6.3	9.8
Connecticut	103.2	74.9
Middle Atlantic Div.	1,145.7	489.7
New York	784.6	235.0
New Jersey	194.4	137.7
Pennsylvania	166.7	117.0
North Central Region	633.1	409.5
East North Central Div.	449.0	307.3
Ohio	74.2	54.5
Indiana	107.2	39.0
Illinois	220.9	149.0
Michigan	20.7	48.2
Wisconsin	26.0	16.6
OTHER ELECTRONIC COMPONENTS, ACCESSORIES, N.E.C. (36795)--Con.		
North Central Region--Con.		
West North Central Div.	184.0	102.2
Minnesota	121.1	74.8
Iowa	17.0	8.1
Missouri	32.4	10.9
South Dakota	BB	2.9
Kansas	CC	5.5
South Region	158.9	115.6
South Atlantic Div.	102.8	84.0
Maryland	15.6	13.9
Virginia	13.5	(1)
North Carolina	37.9	11.5
South Carolina	BB	(D)
Georgia	AA	(1)
Florida	29.9	(1)
East South Central Div.	33.8	13.5
Kentucky	5.4	(1)
Tennessee	CC	3.2
Alabama	FF	(1)
West South Central Div.	22.4	18.1
Arkansas	BB	(D)
Louisiana	BB	(D)
Oklahoma	BB	(1)
Texas	12.6	14.0
West Region	422.3	269.4
Mountain Div.	36.3	16.5
Colorado	12.1	2.6
New Mexico	BB	(1)
Arizona	17.4	7.6
Utah	BB	(1)
Pacific Div.	386.0	252.9
Washington	BB	(1)
Oregon	CC	(D)
California	375.0	250.0

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3651-	Radio and TV receiving sets	3,568.2	3,875.3	2,983.7	2,345.8	2,070.8	1,481.6	(NA)	(NA)
36511	Household, and automobile radios, and radio-phonograph combination	697.4	829.6	697.8	578.3	531.3	344.9	253.5	672.9
36512	Household television receivers, and including television combinations	2,259.7	2,357.4	1,686.5	1,291.7	1,092.3	726.6	(NA)	(NA)
36514	Recorders, phonographs; and television chassis	396.1	681.8	590.2	460.2	431.1	409.4	(NA)	(NA)
36515	Speaker systems, microphones, home-type electronic kits, and commercial sound equipment, including public address systems	184.8							
36510	Radio and TV receiving sets, n.s.k.	30.2	6.4	9.2	15.7	16.1	0.6	(NA)	(NA)
36520	Phonograph records, record blanks, and prerecorded tapes	271.0	218.7	197.7	203.7	178.7	136.2	80.2	105.8
3661-	Telephone; telegraph apparatus	2,248.2	2,125.1	1,953.2	1,696.3	1,538.0	1,079.0	755.5	631.9
36611	Telephone switching and switchboard equipment	840.4	800.5	700.1	581.9	491.3	434.7	245.2	284.9
36612	Other telephone and telegraph (wire) apparatus equipment, and components	1,399.0	1,320.4	1,249.0	1,112.8	1,045.2	637.3	508.7	345.5
36610	Telephone and telegraph apparatus, n.s.k.	8.8	4.3	4.0	1.6	1.5	7.0	1.6	1.5
3662-	Radio and TV communications equipment	7,482.2	6,607.5	5,740.5	5,688.0	6,064.8	2,382.3	(X)	(X)
36621	Commercial, industrial, and military electronic communication equipment except telephone communication equipment	1,615.9	[2]1,446.2	[2]1,144.8	[2]996.8	1,016.1	[2] [3]416.0	(X)	(X)
36622	Radio, and television broadcast equipment, and closed circuit system	344.1	352.9	254.1	168.3	149.7	53.8	(X)	(X)
36623	Intercommunication equipment except telephone and telegraph and electric alarm and signal systems and devices	231.0	228.2	197.0	175.8	165.8	129.8	(X)	(X)
36624	Electronic navigational aids (except missileborne and space vehicle borne) equipment	1,215.1	1,173.6	1,105.3	1,075.1	1,295.3	[3]425.5	(X)	(X)
36625	Electronic search and detection apparatus, including radar, infrared and sonar	1,671.2	1,512.3	1,257.1	1,488.1	1,615.0	1,016.4	(X)	(X)
36626	Electronic military, industrial and commercial equipment, n.e.c.	1,148.7	935.5	886.0	829.2	724.5	340.7	(X)	(X)
36627	Space satellite-borne communications equipment	44.6	77.2	56.1	42.9	28.7	([3])	(X)	(X)
36628	Missile-borne navigation, guidance systems	848.9	864.7	824.3	889.6	972.9	([3])	(X)	(X)
36629	Microwave and mobile telephone (communication) equipment	165.8	([2])	([2])	([2])	64.8	([2])	(X)	(X)
36620	Radio, TV communications equipment, n.s.k.	196.9	16.8	15.8	22.0	32.0	-	-	-
36710	Receiving-type electron tubes, except cathode ray	253.1	303.9	262.9	259.2	287.9	337.3	288.8	86.8
36720	Cathode ray picture tubes, including rebuilt tubes	756.6	774.0	431.7	291.3	248.5	177.3	213.0	7.1
36730	Transmitting, industrial, and special purpose electron tubes, except X-ray	361.6	304.5	270.4	254.3	286.7	224.9	156.1	27.1
3674-	Solid state semiconductors devices n.s.k.[3]	1,162.0	1,068.3	838.6	637.9	623.3	236.7	22.6	(NA)
36741	Integrated microcircuits (semiconductor networks)[3]	247.5							
36742	Transistors	447.0							
36743	Diodes and rectifiers	287.5	1,068.3	838.6	637.9	623.3	236.7	22.6	(NA)
36749	Other semiconductor devices	176.0							
36740	Semiconductors, n.s.k.	4.0							
3679-	Electronic components, n.e.c.[3]	4,420.1	4,807.5	3,570.6	2,557.7	2,501.3	1,297.6	915.4	(NA)
36792	Capacitors for electronic applications	430.7	478.0	369.8	308.8	318.8	183.6	178.2	75.2
36793	Resistors for electronic applications	442.4	493.2	373.9	289.3	312.6	146.8	94.8	21.5
36794	Coils, transformers, reactors, and chokes for (electronic) applications	446.5	484.3	368.6	258.7	274.4	192.0	180.2	63.5
36795	Other electronic components, and accessories, n.e.c.[3]	2,860.4	3,274.7	2,366.6	1,656.3	1,496.7	685.0	440.5	(NA)
36790	Electronic components, n.e.c., n.s.k.	240.1	77.4	91.6	44.6	98.8	90.2	21.8	42.6

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]For 1958 to 1962 and 1964 to 1966 product class 36629 was part of product class 36621.

[3]For 1966 prior years product class 36741 was included in product class 36795.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3651.--RADIO AND TV RECEIVING SETS					
	Materials, parts, containers, and supplies, total	.....	(X)	2,399.5	(X)	1,335.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	9.8	3.3	2.5	0.5
331012	Sheet and strip	...do.....	38.1	7.2	49.7	10.2
331019	All other carbon steel mill shapes and forms	...do.....	(NA)	3.0	7.8	1.5
331020	Alloy steel (except stainless)	...do.....	12.6	5.8	2.2	0.7
331031	Stainless steel	...do.....			0.2	0.4
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	10.3	9.8	5.2	1.5
335790	Insulated wire and cable	Million lbs. (copper content)	18.4	11.0	18.6	11.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	0.9	0.7	0.6	0.5
335123	Plate, sheet, and strip, including military cups and discs	...do.....				
335127	Pipe and tube	...do.....				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	2.6	1.4	0.9	0.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do.....	4.8	2.9	1.6	1.0
335209	All other aluminum mill shapes and forms (wire rolled rod and bar, powder, welded tubing, etc.)	...do.....				
336100	Aluminum and aluminum-base alloy castings (rough and semi-finished)[1]	...do.....	3.8	3.0	0.8	0.7
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	Millions.....	6.0	11.2	1.2	2.9
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	4.3	11.5	1.6	6.4
367012	Electron tubes, except X-ray and cathode ray picture tubes[1]	...do.....	148.2	86.4	200.1	274.3
367200	Cathode ray picture tubes[1]	...do.....	7.3	616.0		
367408	Solid state semiconductors[1]	...do.....	175.4	48.4	86.0	24.4
367410	Monolithic (solid state) integrated circuits	.....	(X)	(D)	(X)	(NA)
281995	Silicon, hyper pure	Kilograms.....	(D)	(D)	(NA)	(NA)
333977	Gemanium	Pounds.....	(D)	(D)	(NA)	(NA)
251011	Cabinets (wood, metal, and plastics)	Millions.....	16.5	244.0	(NA)	[2]189.0
339913	Ferrite (powders and paste)	.....	(X)	2.5	(X)	1.1
260091	Paper and paperboard containers	.....	(X)	24.2	(X)	[2]16.0
970099	All other materials and components, parts, containers, and supplies consumed[3]	.....	(X)	1,090.4	(X)	654.6
976000	Materials, parts, containers, and supplies, n.s.k.[4]	.....	(X)	217.8	(X)	137.2
	INDUSTRY 3661.--TELEPHONE AND TELEGRAPH APPARATUS					
	Materials, parts, containers, and supplies, total	.....	(X)	982.9	(X)	655.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	20.7	3.9	19.5	3.8
331012	Sheet and strip	...do.....	82.8	16.6	85.6	12.1
331019	All other carbon steel mill shapes and forms	...do.....	8.5	2.0	7.2	1.7
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	(NA)	10.2	10.1	8.4
331029	All other alloy steel mill shapes and forms	...do.....				
331031	Stainless steel	...do.....				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	10.0	11.8	7.2	7.5
335790	Insulated wire and cable	Million lbs. (copper content).....	17.3	19.1	12.7	25.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	12.0	7.4	8.5	5.2
335123	Plate, sheet, and strip, including military cups and discs	...do.....	(NA)	14.4	22.6	11.9
335127	Pipe and tube	...do.....	2.7	2.5	1.5	1.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	5.6	2.7	5.0	2.8
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do.....	2.2	1.2	1.1	0.6
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	2.8	1.6	4.2	1.7

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3661.—TELEPHONE AND TELEGRAPH APPARATUS—Continued					
	Materials, parts, containers, and supplies—Continued					
336100	Aluminum and aluminum-base alloy castings (rough and semifinished)[1]	...do	9.9	5.8	5.1	3.2
367010	Electron tubes, except X-ray[1]	1,000	2.1	4.5	1.9	11.6
367410	Monolithic (solid state) integrated circuits		(X)	(D)	(X)	-
367408	Solid state semiconductors[1]	Millions	97.2	46.0	96.4	48.1
333977	Germanium	1,000 lbs	(D)	(D)	(NA)	(NA)
339913	Ferrites (powders and paste)	Million lbs	(D)	(D)	(NA)	(NA)
282130	Thermoplastic resins including modified resins	Million lbs. dry basis	24.8	9.6	18.0	8.2
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc	...do	7.7	2.0	7.6	1.8
970099	All other materials and components, parts, containers, and supplies consumed[3]		(X)	789.2	(X)	490.0
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	32.4	(X)	9.9
	INDUSTRY 3662.—RADIO AND TV COMMUNICATION EQUIPMENT					
	Materials, parts, containers, and supplies, total		(X)	3 153.4	(X)	2,468.7
	Mill shapes and forms, except castings:					
	Carbon steel:					
331012	Sheet and strip	1,000 short tons	22.7	4.5	16.0	3.2
331011	Bars and bar shapes	...do	14.1	3.2		
331015	Structural shapes	...do	16.0	2.9	(NA)	10.3
331017	Wire and wire products	...do	(NA)	3.9		
331019	All other carbon steel mill shapes and forms	...do	3.1	1.1		
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do	9.6	3.0	1.4	0.6
331029	All other alloy steel mill shapes and forms	...do	1.1	1.1	2.6	1.2
331031	Stainless steel	...do	3.2	4.7	2.0	3.2
	Copper and copper base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	5.2	3.6	4.4	3.4
335790	Insulated wire and cable	Million lbs. (copper content)	27.7	23.9	24.2	22.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	3.2	2.4	2.7	1.7
335123	Plate, sheet, and strip, including military cups and discs	...do	1.9	1.6	1.4	1.3
335127	Pipe and tube	...do	1.8	1.3	1.2	0.9
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	(NA)	11.9	13.4	8.8
335205	Extruded shapes including extruded rod, bar, pipe, tube, etc.	...do	17.3	12.1	8.9	6.0
335209	All other aluminum mill shapes and forms	...do	3.7	2.4	4.0	2.6
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons	(NA)	11.4	14.9	8.1
336100	Aluminum and aluminum-base alloy	Million lbs	21.9	22.8	11.2	13.9
336200	Copper and copper-base alloy	...do	1.9	1.8	1.1	1.2
339915	Metal powders	...do	2.2	0.4	(NA)	(NA)
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	1,000	(NA)	18.7	191.0	9.2
362115	Other fractional horsepower electric motors, excluding timing motors	...do	271.3	9.7	414.0	11.7
367010	Electron tubes, except X-ray[1]	Millions	42.5	70.1	55.9	66.5
367408	Solid state semiconductors[1]	...do	260.4	150.9	123.8	104.2
367410	Monolithic (solid state) integrated circuits		(X)	58.8	(X)	(NA)
281995	Silicon, hyper pure	1,000 kilograms	(D)	(D)	0.7	1.4
333977	Germanium	1,000 lbs	(D)	(D)	0.9	0.2
260091	Paper and paperboard containers		(X)	12.8	(X)	6.1
329905	Mica	Pounds	(NA)	1.0	(NA)	(NA)
335606	Nickel and nickel-base alloy mill shapes and forms	Million lbs	0.9	1.0	0.3	0.7
339913	Ferrites (powder and paste)		(X)	0.4	(X)	2.1
	Glass and glass products:					
322921	Tube blanks	1,000	34.7	0.8	(D)	(D)
320311	Other than tube blanks		(X)	2.7	(X)	1.4
367951	Fabricated electron tube parts, except blanks		(X)	(D)	(X)	8.8
282130	Thermoplastic resins including modified resins	Million lbs	3.5	1.6	2.5	0.4
282140	Thermosetting resins (melamines, phenolics, polyesters, ureas, etc	...do	8.8	3.6	(D)	(D)
970099	All other materials and components, parts, containers and supplies consumed[3]		(X)	2,254.7	(X)	2,032.5
976000	Materials, parts, containers and supplies, n.s.k.[4]		(X)	446.6	(X)	134.8

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3671.--ELECTRON TUBES, RECEIVING TYPE					
	Materials, parts, containers, and supplies, total		(X)	55.8	(X)	60.1
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	Thousand short tons				
331012	Sheet and strip	do				
331015	Structural shapes	do				
331017	Wire and wire products	do				
331019	All other carbon mill shapes and forms	do				
	Alloy steel, except stainless:		(NA)	(D)	(NA)	(D)
331021	Bars and bar shapes	do				
331029	All other alloy steel mill shapes and forms	do				
331031	Stainless steel	do				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	(NA)	(D)	(NA)	(D)
335790	Insulated wire and cable	Million lbs. (copper content)	-	-	(NA)	(D)
335102	Rod, bar and mechanical wire, including extruded and/or drawn shapes	Million lbs				
335123	Plate, sheet, and strip, including military cups and discs	do	(NA)	(D)	(NA)	(D)
335127	Pipe and tube	do				
	Fractional horsepower electric motors (under 1 hp.):[2]					
362110	Timing motors synchronous and subsynchronous	Thousands	(NA)	(D)	(NA)	(D)
362115	Other fractional horsepower electric motors, excluding timing motors	do	(NA)	(D)	(NA)	(D)
367010	Electron tubes, except X-ray[2]	do	(NA)	(D)	(NA)	(D)
367408	Solid state semiconductors[2]	do	(NA)	(D)	(NA)	(D)
260091	Paper and paperboard containers		(X)	1.7	(X)	1.2
329905	Mica	Thousand pounds	(NA)	(D)	468.1	2.6
335606	Nickle and nickle-base alloy mill shapes and forms	Million lbs	1.3	1.9	1.4	3.0
335603	Molybdenum, rolled, drawn, or extruded	Thousand pounds	23.5	1.9	30.5	2.0
335733	Tungsten wire		(X)	3.3	(X)	3.5
	Glass and glass products:					
322921	Tube blanks	Millions	334.1	3.3	331.4	3.3
320311	Other than tube blanks		(X)	1.3	(X)	1.7
397951	Fabricated electron tube parts, except blanks		(X)	(D)	(X)	26.2
282140	Thermosetting resins	1,000 lbs. (dry basis)	(NA)	(D)	-	-
970099	All other materials and components, parts, containers, and supplies consumed		(X)	41.0	(X)	[1]15.6
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	1.4	(X)	1.1
	INDUSTRY 3672.--CATHODE RAY PICTURE TUBES					
	Materials, parts, containers and supplies, total		(X)	341.6	(X)	138.3
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	(D)	(D)	(D)	(D)
331012	Sheet and strip	do	(D)	(D)	(D)	(D)
331015	Structural shapes	do	(D)	(D)	(D)	(D)
331017	Wire and wire products	do	(D)	(D)	(D)	(D)
331019	All other carbon steel mill shapes and forms	do	(D)	(D)	(D)	(D)
	Alloy steel, except stainless:					
331021	Bars and bar shapes	do	(D)	(D)	(D)	(D)
331029	All other alloy steel mill shapes and forms	do	(D)	(D)	(D)	(D)
331031	Stainless steel	do	(D)	(D)	(D)	(D)
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	(D)	(D)	(NA)	(NA)
335790	Insulated wire and cable	Million lbs. (copper content)	(D)	(D)	(NA)	(NA)
336102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	(D)	(D)	(D)	(D)
335123	Plate, sheet, and strip, including military cups and discs	do	(D)	(D)	(D)	(D)
335127	Pipe and tube	do	(D)	(D)	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	do	(D)	(D)	(D)	(D)
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	do	(D)	(D)	(D)	(D)
335209	All other aluminum mill shapes and forms	do	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3672.--CATHODE RAY PICTURE TUBES--Continued					
	Materials, parts, containers and supplies--Continued					
367010	Electron tubes, except X-ray[1]	1,000	22.0	0.1	105.3	0.8
260091	Paper and paperboard containers		(X)	4.7	(X)	(D)
	Glass and glass products:					
322921	Tube blanks	Millions	16.8	115.3	49.2	61.8
320311	Other than tube blanks		(X)	(D)	(X)	(D)
367951	Fabricated electron tube parts, except blanks		(X)	(D)	(X)	7.2
282130	Thermoplastic resins including modified resins	1,000 lbs. (dry basis)	(X)	(D)	(NA)	(NA)
282140	Thermosetting resins	do	5.3	2.1	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed[3]		(X)	206.2	(X)	65.2
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	13.2	(X)	3.4
	INDUSTRY 3673.--ELECTRON TUBES, TRANSMITTING					
	Materials, parts, containers and supplies, total		(X)	98.6	(X)	73.9
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 tons				
331012	Sheet and strip	do				
331015	Structural shapes	do			0.1	0.3
331017	Wire and wire products	do				
331019	All other carbon steel mill shapes and forms	do	4.3	3.2		
	Alloy steel, except stainless:					
331021	Bars and bar shapes	do			(Z)	0.1
331029	All other alloy steel mill shapes and forms	do				
331031	Stainless steel	do			0.1	0.6
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	(D)	(D)	0.1	0.1
335790	Insulated wire and cable, copper content only	do	(D)	(D)		
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	do	0.7	0.8	0.7	0.7
335123	Plate, sheet, and strip, including military cups and discs	do	0.7	0.9	0.8	0.8
335127	Pipe and tube	do	0.2	0.2	0.4	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	do	0.2	0.2	0.3	0.4
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	do				
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, and welded tubing, etc.)	do	0.2	0.5	0.1	0.2
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 tons	(D)	(D)	0.1	0.1
336100	Aluminum and aluminum-base alloy	Million lbs	(Z)	(Z)	1.1	0.1
336200	Copper and copper-base alloy	do	(D)	(D)	(D)	(D)
339915	Metal powders	do	(D)	(D)	-	-
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	1,000	(D)	(D)	(D)	(D)
362115	Other fractional horsepower electric motors, excluding timing motors	do	(D)	(D)	(D)	(D)
367010	Electron tubes, except X-ray[1]	Millions	1.7	0.4	9.1	2.5
367408	Solid state semiconductors[1]	do	4.5	0.8	2.0	0.5
333977	Germanium	pounds	-	-	(D)	(D)
260091	Paper and paperboard containers		(X)	0.6	(X)	0.5
329905	Mica	1,000 pounds	(Z)	(Z)	(D)	(D)
335606	Nickel and nickel-base alloy mill shapes and forms	Million lbs	0.4	1.3	0.3	0.8
335602	Tantalum mill products	1,000 pounds	4.1	0.1	3.4	0.2
335603	Molybdenum, rolled, drawn or extruded	do	17.3	0.7	36.3	0.8
335733	Tungsten wire	Million meters	1.5	0.3	1.2	0.3
	Glass and glass products:					
322921	Tube blanks	Millions	0.7	4.4	(NA)	(NA)
320311	Other than tube blanks		(X)	1.0	(X)	(NA)
367951	Fabricated electron tube parts except blanks		(X)	31.0	(X)	25.8
970099	All other materials and components, parts, containers, and supplies consumed[3]		(X)	46.9	(X)	36.4
976000	Materials, parts, containers, and supplies, n.s.k.[4]		(X)	5.3	(X)	2.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3674.--SEMICONDUCTORS					
	Materials, parts, containers and supplies, total	...	(X)	306.9	(X)	183.3
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.				
331012	Sheet and strip	...do.				
331015	Structural shapes	...do.	4.9	2.4	1.5	0.7
331017	Wire and wire products	...do.				
331019	All other carbon steel mill shapes and forms	...do.				
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.				
331029	All other alloy steel mill shapes and forms	...do.	0.3	1.0	1.1	3.3
331031	Stainless steel	...do.				
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.	1.0	2.5	0.6	0.6
335790	Insulated wire and cable	Million lbs. copper content.	0.6	0.4	0.1	0.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.				
335123	Plate, sheet, and strip, including military cups and discs	...do.	2.4	1.6	0.6	0.8
335127	Pipe and tube	...do.				
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.	0.4	0.3		
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.	0.3	0.2	0.3	0.3
335209	All other aluminum mill shapes and forms	...do.	0.1	0.1		
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons.	(D)	(D)	(D)	(D)
336100	Aluminum and aluminum-base alloy	Million lbs.	(D)	(D)	(D)	(D)
336200	Copper and copper-base alloy	...do.	(D)	(D)	(D)	(D)
339915	Metal powders	...do.	(D)	(D)	(NA)	(NA)
	Fractional horsepower electric motors (under 1 hp):[1]					
362110	Timing motors synchronous and subsynchronous	1,000	-	-	(D)	(D)
362115	Other fractional horsepower electric motors, excluding timing motors	...do.	0.8	0.1	(D)	(D)
367010	Electron tubes, except X-ray[1]	Millions	(NA)	0.1	0.1	0.3
367408	Solid state semiconductors[1]	...do.	24.5	6.2	8.7	2.4
281995	Silicon, hyperpure	Kilograms	596.7	21.3	345.7	11.8
333977	Germanium	1,000 pounds	83.4	7.6	51.8	6.5
260091	Paper and paperboard containers	...	(X)	1.6	(X)	1.5
335606	Nickel and nickel base-alloy mill shapes and forms	Million lbs.	1.3	3.8	0.5	1.9
335602	Tantalum mill products	1,000 lbs.	(NA)	0.7	(NA)	1.2
335603	Molybdenum, rolled, drawn, or extruded	...do.	25.4	0.6	24.4	0.4
335733	Tungsten wire	Million meters	(NA)	0.1	(NA)	0.2
	Glass and glass products:					
322921	Tube blanks	Millions	328.9	2.1	291.1	6.1
320311	Other than tube blanks	...	(X)	3.0	(X)	4.4
367951	Fabricated electron tube parts except blanks	...	(X)	6.8		
282130	Thermoplastic resins including modified resins	Million lbs. (dry basis)	1.9	0.6		
282140	Thermosetting resins	...do.	0.1	0.2	(X)	140.6
970099	All other materials and components, parts, containers, and supplies consumed[3]	...	(X)	215.5		
976000	Materials, parts, containers, and supplies, n.s.k.[4]	...	(X)	28.1		

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3679.--ELECTRONIC COMPONENTS, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	1,990.1	(X)	754.7
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	6.4	1.5	3.9	1.2
331012	Sheet and strip	...do.....	35.6	11.3	40.6	9.8
331015	Structural shapes	...do.....	0.9	0.7	0.8	0.3
331017	Wire and wire products	...do.....	(NA)	11.1	7.9	3.0
331019	All other carbon steel mill shapes and forms	...do.....	3.1	2.2	7.3	3.6
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.....	4.6	3.7	0.8	0.5
331029	All other alloy steel mill shapes and forms	...do.....	21.5	12.0	22.2	11.5
331031	Stainless steel	...do.....	3.2	5.6	1.6	2.4
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million pounds....	35.9	30.7	16.7	11.1
335790	Insulated wire and cable, copper content only	...do.....	37.1	34.4	26.3	18.1
335102	Rod, bar and mechanical wire, including extruded and/or drawn shapes	...do.....	22.1	13.0	15.6	7.3
335123	Plate sheet and strip, including military cups and discs	...do.....	(NA)	7.8	12.2	7.1
335127	Pipe and tube	...do.....	5.3	4.9	4.9	3.3
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	27.2	20.4	23.3	15.4
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	11.0	7.9	15.7	12.6
335209	All other aluminum mill shapes and forms	...do.....	9.0	9.0	4.4	3.6
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons..	(NA)	2.0	0.9	0.6
336100	Aluminum and aluminum-base alloy	Million pounds....	5.3	5.0	2.0	3.9
336200	Copper and copper-base alloy	...do.....	11.2	9.0	0.5	0.5
339915	Metal powders	...do.....	21.7	7.5	(NA)	(NA)
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	1,000.....	173.0	1.8	(D)	(D)
362115	Other fractional horsepower electric motors, excluding timing motors	...do.....	(D)	(D)	426.0	1.4
367010	Electron tubes, except X-ray[1]	Millions.....	8.1	6.6	6.8	5.3
367408	Solid state semiconductors[1]	...do.....	209.5	85.2	15.9	13.7
367410	Monolithic (solid state) integrated circuits	.....	(X)	1.8	(NA)	(NA)
281995	Silicon, hyper pure	1,000 kilograms...	3.4	0.5	2.8	0.4
333977	Germanium	1,000 pounds.....	(D)	(D)	1.1	1.0
260091	Paper and paperboard containers	.....	(X)	22.0	(X)	7.1
329905	Mica	1,000 pounds.....	632.8	2.9	687.5	3.2
335606	Nickel and nickel-base alloy mill shapes and forms	Million pounds....	3.7	8.0	1.2	3.6
335602	Tantalum mill products	1,000 pounds.....	124.6	7.3	159.4	8.2
335603	Molybdenum, rolled, drawn, or extruded	...do.....	13.8	0.3	14.4	0.3
335733	Tungsten wire	Million meters....	2.1	0.5	1.1	0.3
339913	Ferrites (powder and paste)	.....	(X)	7.4	(X)	9.4
	Glass and glass products:					
322921	Tube blanks	Millions.....	0.9	0.6	0.5	0.3
320311	Other than tube blanks	.....	(X)	3.5	(X)	3.3
367951	Fabricated electron tube parts except blanks	.....	(X)	(D)	(X)	1.7
282130	Thermoplastic resins including modified resins	Million lbs. (Dry Basis).....	(NA)	3.6	5.0	2.8
282140	Thermosetting resins	...do.....	18.0	15.8	10.0	6.7
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	1 415.1	(X)	434.7
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	207.5	(X)	135.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]No data are available on the quantities of castings, fractional horsepower, electrical motors, electron tubes, cathode ray picture tubes and solid state semiconductors produced and consumed in the same establishment.

[2]Represents estimates published MC63(1)-8 (Supplement), Selected Materials Consumed, from data collected in a supplemental survey on Form MA-131, consumption of materials, parts, containers and supplies, during 1963. This survey was limited to large establishments in selected chemical, machinery and equipment industries and resulted in estimates which are subject to greater error than are the figures on materials consumption collected as a regular part of the census of manufactures.

[3]Includes the value of materials shown by the symbol "D".

[4]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this included estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Telephone and telegraph apparatus (SIC 3661)	Radio and TV communications equipment (SIC 3662)	Electronic components, n.e.c. (SIC 3679)
	Cost of purchased fuels and electric energy, total..	Million dollars.	11.9	41.5	33.3
	Cost of purchased fuels, total.....	Million dollars.	4.1	8.2	8.4
121005	Coal (anthracite, bituminous, and lignite):				
	Quantity.....	1,000 short tons	272.2	21.5	51.2
	Cost.....	Million dollars.	1.3	0.2	0.5
	Fuel oil, total:				
	Quantity.....	1,000 barrels...	243.4	953.8	561.6
	Cost.....	Million dollars.	0.6	2.6	1.9
291141	Distillate:				
	Quantity.....	1,000 barrels...	69.5	321.4	323.3
	Cost.....	Million dollars.	0.2	1.0	1.2
291151	Residual:				
	Quantity.....	1,000 barrels...	173.9	632.4	238.3
	Cost.....	Million dollars.	0.4	1.6	0.7
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):				
	Quantity.....	Million cu. ft..	4,644.8	4,381.4	3,708.7
	Cost.....	Million dollars.	1.7	3.1	2.5
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	0.1	0.4	0.6
	Fuels, n.s.k.....	...do.....	0.2	1.9	2.8
	Purchased electric energy:				
	Quantity.....	Million kw.-hrs.	794.9	2,974.2	2,145.8
	Cost.....	Million dollars.	7.9	33.3	25.0
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	115.0	32.1	(Z)
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	4,732.4	4,325.0	4,119.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than $50 thousand (or under 50 employees).

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3651	RADIO AND TV RECEIVING SETS										
	ENTIRE INDUSTRY	340	116.7	643.6	96.2	183.4	462.6	1 404.5	2 486.0	3 846.3	86.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	315	97.6	519.5	81.3	153.7	376.1	1 169.0	2 316.1	3 442.5	65.5
36511	HOUSEHOLD, AUTOMOBILE RADIOS; RADIO-PHONOGRAPHS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	23	23.4	159.5	21.5	41.2	111.4	320.2	412.8	731.4	19.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	15	10.0	58.7	7.7	15.1	35.9	115.4	171.2	276.8	2.8
36512	HOUSEHOLD TV RECEIVERS AND TV COMBINATIONS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	36	60.1	327.6	50.7	95.2	245.6	819.4	1 765.8	2 539.5	47.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	25	48.6	264.4	41.6	77.1	205.8	605.6	1 415.4	1 971.6	39.2
36514	RECORDERS, PHONOGRAPHS, AND RADIO AND TV CHASSIS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	53	17.3	94.8	13.4	26.6	61.7	154.0	212.2	371.7	15.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	40	9.0	45.2	7.1	14.0	28.6	65.3	109.7	179.2	2.0
36515	SPEAKER SYST., ELECTRONIC KITS, SOUND EQUIP, ETC. (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	76	12.3	62.2	9.6	18.3	38.3	108.1	92.1	197.7	3.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	63	10.6	52.0	8.3	15.8	32.7	83.0	79.1	159.9	2.7
3652	PHONOGRAPH RECORDS										
	ENTIRE INDUSTRY	321	13.6	76.6	11.0	22.2	54.0	182.3	95.2	276.4	7.1*
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	319	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3661	TELEPHONE AND TELEGRAPH APPARATUS										
	ENTIRE INDUSTRY	106	115.4	827.9	83.2	158.8	534.4	1 536.7	1 082.7	2 591.2	110.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	94	102.2	737.2	74.4	140.8	483.0	1 335.0	979.0	2 288.8	98.5
36611	TELEPHONE SWITCHING AND SWITCHBOARD EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	16	63.3	455.7	45.9	86.8	301.5	821.6	551.4	1 347.5	40.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36612	OTHER TELEPHONE, TELEGRAPH (WIRE) APPARATUS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	44	51.5	368.9	36.8	71.1	230.8	708.4	526.2	1 232.4	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	36	40.8	292.3	29.5	56.0	184.2	526.3	427.5	955.4	(D)
3662	RADIO AND TV COMMUNICATION EQUIPMENT										
	ENTIRE INDUSTRY	1 296	409.9	3 568.8	221.3	447.6	1 515.6	5 455.8	3 433.4	8 555.8	246.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 160	325.6	2 842.5	174.7	352.3	1 183.5	4 477.6	2 802.2	7 019.7	190.3
36621	ELECTRONIC COMMUN. EQUIP., EXC. TELEPHONE EQUIP. (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	208	92.8	713.0	54.3	110.1	333.2	1 099.0	890.4	2 003.8	67.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	154	45.6	337.5	29.6	56.9	177.6	541.3	403.8	966.3	26.3
36622	RADIO, TV BROADCAST EQUIP., CLOSED CIRCUIT SYSTEM (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	74	13.3	99.2	7.8	15.7	46.2	187.6	186.3	363.9	9.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	61	9.8	76.7	5.7	11.5	35.6	142.6	146.1	280.1	6.2
36623	INTERCOM. EQUIPMENT, ELECTRIC ALARM SYSTEMS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	65	9.2	65.4	5.7	11.1	32.9	121.3	80.6	201.0	4.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	53	7.3	54.0	4.4	8.6	26.6	99.7	63.3	162.6	4.0
36624	ELECTRONIC NAVIG. AIDS (EXC. SPACE VEHICLE BORNE) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	57	49.3	472.1	24.2	47.8	178.8	754.6	458.0	1 140.9	25.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	24	11.6	100.8	5.5	11.2	32.2	215.7	152.2	354.6	3.3
36625	ELECTRONIC DETECTION APPARATUS, RADAR, SONAR, ETC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	96	98.4	880.0	54.6	112.3	404.3	1 317.5	757.7	2 003.3	45.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	55	48.9	453.5	26.4	54.0	207.1	641.7	360.9	961.2	21.9
36626	ELECTRONIC MILITARY, INDUS., COM. EQUIP., NEC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	279	63.2	521.2	39.2	78.8	266.6	833.8	442.7	1 234.2	34.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	216	33.7	272.3	22.4	45.1	151.7	432.6	252.8	666.8	19.7
36627	SPACE SATELLITE-BORNE COMMUNICATIONS EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36628	MISSILE-BORNE NAVIGATION, GUIDANCE SYSTEMS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	33	55.1	588.1	18.8	38.7	149.1	774.0	398.6	1 067.4	38.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	14	30.3	338.6	10.8	22.5	80.9	467.6	235.8	637.9	15.5
36629	MICROWAVE AND MOBILE TELEPHONE COMMUN. EQUIPMENT (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	10	.3	1.8	.2	.4	1.1	1.8	1.6	4.0	.1

See footnote at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967—Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3671	ELECTRON TUBES, RECEIVING TYPE										
	ENTIRE INDUSTRY	39	21.0	118.3	18.0	32.4	85.9	224.7	72.8	300.6	7.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3672	CATHODE RAY PICTURE TUBES										
	ENTIRE INDUSTRY	99	27.6	172.5	19.9	40.0	107.4	462.5	357.6	832.3	46.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	98	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3673	ELECTRON TUBES, TRANSMITTING										
	ENTIRE INDUSTRY	56	18.2	145.8	12.6	26.1	84.0	239.6	128.5	369.4	13.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	48	11.6	91.1	8.5	17.1	56.1	155.4	90.8	247.4	7.8
3674	SEMICONDUCTORS										
	ENTIRE INDUSTRY	177	85.4	545.1	58.0	118.1	307.3	820.2	337.6	1 141.0	131.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	161	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36741	INTEGRATED MICROCIRCUITS (SEMICONDUCTOR NETWORKS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	31	18.7	133.9	11.9	25.4	79.5	163.3	54.5	203.0	49.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	22	4.9	31.4	3.4	7.0	17.8	59.7	20.3	76.1	14.9
36742	TRANSISTORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	24	44.0	278.5	29.5	60.5	149.4	413.4	181.4	595.4	49.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	17	9.9	58.1	7.1	14.1	33.3	87.9	39.0	122.8	14.8
36743	DIODES AND RECTIFIERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	36	16.6	99.9	11.7	23.3	57.5	197.8	76.5	271.8	24.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	28	10.9	62.5	7.8	15.6	35.0	134.8	47.8	179.4	8.3
36749	OTHER SEMICONDUCTOR DEVICES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	22	3.9	21.2	3.1	5.8	13.4	38.9	17.3	55.6	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3679	ELECTRONIC COMPONENTS, NEC										
	ENTIRE INDUSTRY	2 068	251.3	1 453.6	185.0	359.6	864.3	2 612.2	2 234.1	4 809.4	176.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 433	193.1	1 066.4	147.0	284.7	655.2	1 906.5	1 318.6	3 194.2	138.4
36792	CAPACITORS FOR ELECTRONIC APPLICATIONS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	124	37.4	177.4	29.8	58.6	120.0	293.4	170.7	464.2	17.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	106	26.9	121.3	21.9	43.2	85.4	224.2	114.7	337.1	12.2
36793	RESISTORS FOR ELECTRONIC APPLICATIONS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	92	27.7	153.3	20.9	41.2	100.3	272.0	99.0	372.4	18.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	80	23.7	131.2	17.9	35.1	85.1	234.8	81.7	317.2	16.3
36794	COILS, TRANSFORMERS, REACTORS, CHOKES(ELECTRONIC)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	268	38.5	182.8	31.9	59.1	126.6	292.1	243.6	531.5	11.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	233	29.6	137.3	25.3	46.8	98.7	211.5	191.0	399.8	8.9
36795	OTHER ELECTRONIC COMPONENTS, ACCESSORIES, NEC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	669	126.7	825.5	86.4	170.1	448.3	1 521.4	1 611.3	3 110.7	110.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	573	84.7	525.6	60.0	117.0	290.2	974.6	778.3	1 730.9	83.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

MISCELLANEOUS ELECTRICAL EQUIPMENT AND SUPPLIES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3691--Storage Batteries
3692--Primary Batteries, Dry and Wet
3693--Radiographic X-ray, Fluoroscopic X-ray, Therapeutic X-ray, and Other X-ray Apparatus and Tubes; Electromedical and Electrotherapeutic Apparatus
3694--Electrical Equipment for Internal Combustion Engines
3699--Electrical Machinery, Equipment and Supplies, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3691--STORAGE BATTERIES

This industry comprises establishments primarily engaged in manufacturing storage batteries. For a detailed list of products of industry 3691, refer to table 6A, product codes 3691113 to 3691298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Storage Batteries Industry in 1967 totaled $578 million. This included shipments of storage batteries (primary products), valued at $563 million, shipments of other products (secondary products) valued at $3 million, and miscellaneous receipts (mainly resales) of $10 million.

This industry's shipments of storage batteries (primary products) in 1967 represented 98 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 98 percent.

Industry 3691 shipments of storage batteries (primary products) in 1967 represented 97 percent (coverage ratio) of these products valued at $579 million shipped by all industries. In 1963, the coverage ratio was 99 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3691, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3692--PRIMARY BATTERIES, DRY AND WET

This industry comprises establishments primarily engaged in manufacturing primary batteries, dry or wet. For a detailed list of products of industry 3692, refer to table 6A, product codes 3692012 to 3692097.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Primary Batteries, Dry and Wet, Industry in 1967 totaled $308 million. This included shipments of primary batteries, dry and wet (primary products), valued at $283 million, shipments of other products (secondary products) valued at $9 million, and miscellaneous receipts (mainly resales) of $16 million.

This industry's shipments of primary batteries, dry and wet (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 96 percent.

Industry 3692 shipments of primary batteries, dry and wet (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $328 million shipped by all industries. In 1963, the coverage ratio was 91 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3692, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3693--RADIOGRAPHIC X-RAY, FLUOROSCOPIC X-RAY, THERAPEUTIC X-RAY, AND OTHER X-RAY APPARATUS AND TUBES; ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS

This industry comprises establishments primarily engaged in manufacturing radiographic X-ray, fluoroscopic X-ray, and therapeutic X-ray apparatus and tubes for medical, industrial, research, and control applications. This industry also includes establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus except electrotherapeutic lamp units for ultraviolet and infra-red radiation (industry 3641). Establishments primarily engaged in manufacturing radio receiving type tubes are classified in industry 3671; television receiving cathode ray tubes in industry 3672; and transmitting tubes in industry 3673. For a detailed list of products of industry 3693, refer to table 6A, product codes 3693019 to 3693096.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the X-Ray Apparatus and Tubes Industry in 1967 totaled $233 million. This included shipments of X-ray apparatus and tubes (primary products), valued at $154 million, shipments of other products (secondary products) valued at $12 million, and miscellaneous receipts (mainly resales) of $67 million.

This industry's shipments of X-ray apparatus and tubes (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent.

Industry 3693 shipments of X-ray apparatus and tubes (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $180 million shipped by all industries. In 1963, the coverage ratio was 80 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3693, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3694--ELECTRICAL EQUIPMENT FOR INTERNAL COMBUSTION ENGINES

This industry comprises establishments primarily engaged in manufacturing electrical equipment for internal combustion engines. Important products of this industry include starting motors, alternators, and generators for automobiles and aircraft; and ignition apparatus for internal combustion engines including spark plugs, magnetos, coils, and distributors. For a detailed list of products of industry 3694, refer to table 6A, product codes 3694111 to 3694698.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Engine Electrical Equipment Industry in 1967 totaled $1,365 million. This included shipments of engine electrical equipment (primary products), valued at $1,031 million, shipments of other products (secondary products) valued at $238 million, and miscellaneous receipts (mainly resales) of $95 million.

This industry's shipments of engine electrical equipment (primary products) in 1967 represented 81 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent.

Industry 3694 shipments of engine electrical equipment (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $1,220 million shipped by all industries. In 1963, the coverage ratio was 81 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3694, these establishments accounted for approximately less than 1 percent of payroll and value added by manufacture.

3699--ELECTRICAL MACHINERY, EQUIPMENT AND SUPPLIES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing electrical machinery, equipment, and supplies, not elsewhere classified. For a detailed list of products of industry 3699, refer to table 6A, product codes 3699211 to 3699600.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Electrical Equipment, N.E.C., Industry in 1967 totaled $291 million. This included shipments of electrical equipment, n.e.c. (primary products), valued at $252 million, shipments of other products (secondary products) valued at $18 million, and miscellaneous receipts (mainly resales) of $21 million.

This industry's shipments of electrical equipment, n.e.c. (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent.

Industry 3699 shipments of electrical equipment, n.e.c. (primary products) in 1967 represented 50 percent (coverage ratio) of these products valued at $506 million shipped by all industries. In 1963, the coverage ratio was 49 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3699, these establishments accounted for approximately 6 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3691.--STORAGE BATTERIES														
1967 Census....	232	120	19.3	133.3	15.2	30.6	97.7	259.2	313.7	577.5	14.8	92.1	99	97
1966 ASM[1].....	(NA)	(NA)	19.4	131.5	14.7	30.7	94.7	284.3	338.6	615.7	*7.7	93.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	19.3	127.7	14.8	30.6	91.8	296.5	331.8	615.2	21.1	91.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	17.0	110.0	13.3	27.7	80.5	245.7	286.6	527.0	12.9	79.4	(NA)	(NA)
1963 Census....	252	120	17.5	108.7	13.9	28.4	80.2	244.2	275.6	516.5	12.0	75.1	98	99
1962 ASM[1].....	(NA)	(NA)	16.2	99.4	12.5	29.2	74.8	210.9	245.5	452.1	9.6	65.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	15.4	89.5	11.7	27.1	67.3	178.5	245.8	423.4	8.4	59.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	15.5	87.9	12.1	26.5	63.7	167.9	244.5	415.8	9.2	55.4	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	16.1	88.3	12.6	27.7	66.1	180.8	244.2	417.4	6.8	63.0	(NA)	(NA)
1958 Census[2]...	276	106	14.9	77.0	11.8	23.2	55.5	150.1	211.8	369.0	7.3	52.1	99	100
INDUSTRY 3692.--PRIMARY BATTERIES, DRY AND WET														
1967 Census....	49	36	11.0	61.0	8.9	17.6	43.2	188.7	122.0	307.6	20.2	45.4	97	86
1966 ASM[1].....	(NA)	(NA)	10.4	55.5	8.3	16.5	39.8	167.4	114.8	277.0	5.9	42.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	8.9	46.7	6.9	14.2	32.6	139.8	97.9	233.1	2.6	34.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	8.3	41.3	6.5	13.1	28.8	123.0	84.3	209.0	3.2	27.5	(NA)	(NA)
1963 Census....	46	29	8.5	40.6	6.8	13.6	29.0	113.8	80.3	195.3	4.1	30.0	96	91
1962 ASM[1].....	(NA)	(NA)	8.3	39.0	6.3	13.0	25.2	109.2	86.4	194.3	3.1	28.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.0	36.8	6.0	12.2	24.1	96.9	75.4	170.4	2.4	24.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.4	36.7	6.6	12.7	24.6	94.0	69.2	163.8	3.4	23.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.9	37.3	7.2	14.3	27.1	96.7	67.1	162.2	*1.9	23.3	(NA)	(NA)
1958 Census[2]...	42	29	8.1	34.0	6.5	13.2	24.5	75.4	59.5	138.2	2.3	22.1	99	98
INDUSTRY 3693--X-RAY APPARATUS AND TUBES														
1967 Census....	82	41	7.9	63.3	4.3	8.7	26.3	135.7	104.0	233.2	11.2	56.1	93	86
1966 ASM[r1].....	(NA)	(NA)	8.1	61.7	4.6	9.5	28.9	133.4	100.1	222.4	3.5	51.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	6.2	47.6	3.5	7.0	21.3	100.2	72.8	164.2	2.1	37.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.8	42.7	3.2	6.6	19.6	92.1	57.9	149.2	*2.3	31.1	(NA)	(NA)
1963 Census....	58	30	6.2	43.8	3.4	6.9	20.1	86.5	56.9	143.7	2.1	30.0	83	80
1962 ASM[1].....	(NA)	(NA)	6.2	41.1	3.8	7.9	18.5	76.2	53.2	127.1	1.2	32.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.4	37.7	3.6	7.4	16.8	67.2	50.0	116.3	1.1	29.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.1	35.4	3.4	7.2	16.2	67.4	47.2	110.7	0.8	28.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	5.8	32.6	3.2	6.8	15.2	60.1	42.4	101.9	1.1	25.0	(NA)	(NA)
1958 Census[2]...	126	33	5.3	30.7	3.0	5.9	14.3	58.4	35.7	95.1	1.4	21.9	84	82
INDUSTRY 3694.--ENGINE ELECTRICAL EQUIPMENT														
1967 Census....	269	132	55.4	387.4	44.2	86.3	286.8	766.0	598.7	1,364.7	46.0	177.0	81	85
1966 ASM[1].....	(NA)	(NA)	52.3	362.2	42.0	87.7	272.2	735.2	620.8	1,342.5	38.4	167.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	42.8	287.6	35.1	73.1	216.0	605.1	481.0	1,073.7	20.4	129.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	38.8	251.8	31.4	63.6	184.8	526.9	400.7	925.5	19.6	108.4	(NA)	(NA)
1963 Census....	182	98	40.6	250.2	32.7	66.9	184.4	496.7	398.0	900.7	15.5	99.8	93	81
1962 ASM[1].....	(NA)	(NA)	43.6	272.6	35.3	71.8	193.0	534.5	382.4	905.0	22.0	113.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	40.5	236.9	31.9	61.3	157.9	449.2	311.2	766.4	18.7	98.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	42.9	239.3	33.9	65.7	164.8	470.7	331.0	799.4	13.9	103.8	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	41.3	236.0	32.6	66.5	165.1	473.5	323.0	782.5	12.1	111.5	(NA)	(NA)
1958 Census[2]...	157	89	38.1	196.0	29.5	56.4	135.8	353.5	248.1	606.5	8.9	83.4	87	84
INDUSTRY 3699.--ELECTRICAL EQUIPMENT, N.E.C.														
1967 Census....	538	128	13.6	70.0	11.1	20.2	45.2	144.4	147.0	290.8	11.5	41.8	93	50
1966 ASM[1].....	(NA)	(NA)	16.6	84.7	13.4	25.8	53.3	168.2	158.2	319.3	*8.1	45.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	13.3	67.1	10.6	21.0	42.6	126.8	120.4	245.6	8.0	30.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	10.8	56.3	8.2	16.7	35.4	100.8	94.6	192.4	*3.9	23.4	(NA)	(NA)
1963 Census....	350	106	10.9	51.2	8.5	16.5	33.4	101.2	89.0	190.0	3.3	24.3	90	49
1962 ASM[1].....	(NA)	(NA)	11.6	53.3	8.8	16.4	31.8	93.7	96.6	189.3	*2.3	24.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	12.0	52.5	9.2	18.0	32.9	93.8	86.2	179.5	*1.6	22.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.6	48.7	9.1	17.5	30.9	91.5	82.6	172.6	1.4	22.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	10.9	43.7	8.5	16.7	28.0	79.9	90.2	171.8	(S)	20.6	(NA)	(NA)
1958 Census[2]...	259	99	10.3	39.3	8.2	15.8	26.3	73.6	89.8	165.4	1.4	22.4	91	54

Note: In 1967, 1963, and 1958, the number of companies in industry 3691 was 154, 169, and 207, respectively; in industry 3692: 32, 26, and 24; industry 3693: 78, 56, and 124; industry 3694: 239, 163, and 147; industry 3699: 528, 245, and 247. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3691.--STORAGE BATTERIES								
1967 Census	6,907	.78	2,026	3.19	.54	.77	13,430	.51	8.47
1966 ASM	6,792	.76	2,082	3.09	.55	.76	14,684	.46	9.26
1965 ASM	6,628	.77	2,063	3.00	.54	.75	15,387	.43	9.70
1964 ASM	6,478	.79	2,081	2.90	.54	.75	14,472	.45	8.86
1963 Census	6,207	.79	2,051	2.82	.53	.74	13,942	.45	8.58
1962 ASM	6,118	.77	2,329	2.56	.54	.76	12,976	.47	7.22
1961 ASM	5,803	.76	2,314	2.48	.58	.79	11,574	.50	6.58
1960 ASM	5,660	.78	2,198	2.40	.59	.80	10,816	.52	6.33
1959 ASM	5,498	.79	2,189	2.39	.59	.80	11,258	.49	6.53
1958 Census	5,157	.79	1,969	2.39	.57	.78	10,055	.51	6.47
	INDUSTRY 3692.--PRIMARY BATTERIES, DRY AND WET								
1967 Census	5,545	.81	1,978	2.45	.40	.59	17,155	.32	10.72
1966 ASM	5,324	.79	2,001	2.40	.41	.62	16,041	.33	10.12
1965 ASM	5,270	.77	2,068	2.30	.42	.62	15,780	.33	9.87
1964 ASM	5,001	.79	2,023	2.20	.40	.60	14,907	.34	9.38
1963 Census	4,789	.80	2,005	2.13	.41	.62	13,421	.36	8.36
1962 ASM	4,690	.76	2,062	1.94	.44	.65	13,119	.36	8.41
1961 ASM	4,601	.75	2,031	1.98	.44	.66	12,110	.38	7.97
1960 ASM	4,349	.78	1,943	1.93	.42	.65	11,151	.39	7.38
1959 ASM	4,189	.81	1,979	1.89	.41	.64	10,852	.39	6.76
1958 Census	4,203	.80	2,037	1.85	.43	.68	9,317	.45	5.70
	INDUSTRY 3693.--X-RAY APPARATUS AND TUBES								
1967 Census	8,013	.54	2,023	3.02	.45	.72	17,177	.47	15.60
1966 ASM	7,617	.57	2,065	3.04	.45	.73	16,469	.46	14.04
1965 ASM	7,677	.56	2,000	3.04	.44	.73	16,161	.48	14.31
1964 ASM	7,362	.55	2,062	2.97	.39	.67	15,879	.46	13.95
1963 Census	7,065	.55	2,030	2.91	.40	.70	13,952	.51	12.54
1962 ASM	6,629	.61	2,079	2.34	.42	.74	12,290	.54	9.65
1961 ASM	5,891	.56	2,056	2.27	.43	.75	10,500	.56	9.08
1960 ASM	5,803	.56	2,118	2.25	.43	.75	11,049	.53	9.36
1959 ASM	5,621	.55	2,125	2.24	.42	.74	10,362	.54	8.84
1958 Census	5,792	.57	1,967	2.42	.38	.70	11,019	.53	9.90
	INDUSTRY 3694.--ENGINE ELECTRICAL EQUIPMENT								
1967 Census	6,993	.80	1,952	3.32	.44	.72	13,827	.51	8.88
1966 ASM	6,924	.80	2,090	3.10	.46	.73	14,055	.49	8.38
1965 ASM	6,721	.82	2,084	2.96	.45	.72	14,140	.48	8.28
1964 ASM	6,493	.81	2,030	2.90	.43	.71	13,586	.48	8.28
1963 Census	6,169	.81	2,046	2.76	.44	.72	12,245	.50	7.42
1962 ASM	6,252	.81	2,034	2.69	.42	.72	12,260	.51	7.44
1961 ASM	5,850	.79	1,920	2.57	.41	.72	11,096	.53	7.32
1960 ASM	5,575	.79	1,942	2.51	.41	.71	10,965	.51	7.16
1959 ASM	5,717	.79	2,040	2.48	.41	.71	11,469	.50	7.12
1958 Census	5,140	.77	1,910	2.41	.41	.73	9,273	.55	6.27
	INDUSTRY 3699.--ELECTRICAL EQUIPMENT, N.E.C.								
1967 Census	5,147	.82	1,820	2.24	.51	.75	10,618	.48	7.15
1966 ASM	5,095	.81	1,917	2.07	.50	.76	10,125	.50	6.53
1965 ASM	5,026	.80	1,971	2.03	.49	.76	9,499	.53	6.05
1964 ASM	5,210	.76	2,027	2.12	.49	.78	9,330	.56	6.03
1963 Census	4,689	.78	1,943	2.02	.47	.74	9,267	.51	6.14
1962 ASM	4,614	.76	1,860	1.94	.51	.79	8,111	.57	5.72
1961 ASM	4,374	.77	1,959	1.82	.48	.77	7,821	.56	5.21
1960 ASM	4,194	.79	1,925	1.76	.48	.76	7,881	.53	5.21
1959 ASM	4,013	.78	1,961	1.68	.52	.78	7,332	.55	4.79
1958 Census	3,835	.80	1,928	1.67	.54	.78	7,172	.53	4.66

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3691-- STORAGE BATTERIES													
UNITED STATES	232	120	19.3	133.3	15.2	30.6	97.7	259.2	313.7	577.5	14.8	17.5	244.2
NORTHEAST REGION	42	25	5.7	42.0	4.0	8.2	27.3	68.7	73.9	143.9	4.5	6.7	83.9
NEW ENGLAND DIVISION	13	9	.8	6.2	.5	.9	2.8	7.6	9.2	17.1	.3	1.1	13.9
MASSACHUSETTS	8	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	29	16	4.9	35.8	3.5	7.2	24.4	61.1	64.7	126.8	4.1	5.5	70.0
NEW YORK	7	3	.3	1.9	.2	.4	1.3	2.1	2.1	4.1	.3	.9	8.7
NEW JERSEY	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	28.2
PENNSYLVANIA	13	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	33.2
NORTH CENTRAL REGION	57	37	7.1	49.8	5.9	11.8	39.7	103.7	120.8	226.4	3.9	6.3	93.3
EAST NORTH CENTRAL DIVISION	40	25	4.6	34.6	3.8	7.7	27.6	75.0	84.1	159.3	2.8	4.3	65.9
OHIO	4	3	.2	.8	.1	.3	.6	1.6	3.5	5.4	.1	.2	3.5
INDIANA	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	16	10	1.4	9.2	1.1	2.1	6.7	24.3	28.0	52.9	.8	1.0	17.2
MICHIGAN	9	4	.5	4.4	.4	.8	3.2	6.8	14.8	21.7	(D)	.7	10.2
WISCONSIN	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	17	12	2.4	15.2	2.0	4.0	12.1	28.7	36.7	67.1	1.0	2.0	27.4
MINNESOTA	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	75	34	4.0	24.6	3.3	6.5	17.7	48.8	69.1	119.0	4.4	2.7	38.3
SOUTH ATLANTIC DIVISION	36	18	2.3	13.7	1.8	3.6	9.3	26.6	34.6	60.9	(D)	1.4	17.6
DELAWARE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	9	5	.5	3.6	.5	.9	3.0	7.9	12.7	21.4	.4	[2](D)	[2](D)
FLORIDA	13	5	.8	4.5	.5	1.1	2.6	7.3	8.5	15.6	.5	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	13	8	.6	3.7	.5	1.0	2.9	7.6	13.4	21.5	.4	.5	8.0
KENTUCKY	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	4.2
WEST SOUTH CENTRAL DIVISION	26	8	1.1	7.2	.9	1.8	5.4	14.5	21.2	36.5	(D)	.9	12.7
OKLAHOMA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	22	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	58	24	2.5	16.9	2.0	4.2	13.0	38.0	50.0	88.2	2.1	1.8	28.6
MOUNTAIN DIVISION	8	4	.3	1.8	.3	.6	1.4	3.2	4.3	7.6	.2	(D)	(D)
COLORADO	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	50	20	2.1	15.1	1.8	3.6	11.6	34.8	45.7	80.6	1.9	(D)	(D)
OREGON	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	37	16	1.9	13.5	1.6	3.2	10.4	31.4	40.4	71.8	1.7	1.4	22.8
3692-- PRIMARY BATTERIES, DRY AND WET													
UNITED STATES	49	36	11.0	61.0	8.9	17.6	43.2	188.7	122.0	307.6	20.2	8.5	113.8
NORTHEAST REGION	13	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	23.8
NEW ENGLAND DIVISION	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VERMONT	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	9	8	1.5	9.0	1.2	2.4	6.4	24.0	15.2	40.1	1.2	[2](D)	[2](D)
NEW YORK	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	15	13	5.2	27.8	4.4	8.6	20.7	86.6	51.5	135.2	2.7	4.4	49.9
EAST NORTH CENTRAL DIVISION	13	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OHIO	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	6	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	13	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3693-- X-RAY APPARATUS AND TUBES													
UNITED STATES	82	41	7.9	63.3	4.3	8.7	26.3	135.7	104.0	233.2	11.2	6.2	86.5
NORTHEAST REGION	42	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW ENGLAND DIVISION	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	33	17	1.5	11.5	.9	1.7	4.6	24.0	15.2	38.1	(D)	(D)	(D)
NEW YORK	22	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	20	12	4.1	32.0	2.4	5.0	16.6	79.5	46.0	121.2	8.7	3.6	52.7
EAST NORTH CENTRAL DIVISION	18	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	6.5
WISCONSIN	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	9	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	11	4	.4	2.7	.2	.4	1.0	4.8	1.6	6.4	.3	(D)	(D)
PACIFIC DIVISION	11	4	.4	2.7	.2	.4	1.0	4.8	1.6	6.4	.3	(D)	(D)
OREGON	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3694-- ENGINE ELECTRICAL EQUIPMENT													
UNITED STATES	264	132	55.4	387.4	44.2	86.3	286.8	766.0	598.7	1 364.7	46.0	40.6	496.7
NORTHEAST REGION	73	43	8.3	49.7	6.1	12.2	30.6	97.0	67.5	164.2	2.6	6.7	63.1
NEW ENGLAND DIVISION	23	14	2.8	16.5	2.0	4.0	10.5	32.2	28.5	60.6	.8	2.2	18.6
MASSACHUSETTS	16	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)	[2](D)
CONNECTICUT	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	50	29	5.5	33.2	4.0	8.2	20.2	64.8	39.0	103.6	1.8	4.5	44.5
NEW YORK [6]	17	8	2.0	12.7	1.5	3.0	7.1	26.4	15.0	41.3	.8	2.5	27.8
NEW JERSEY	14	9	2.0	12.8	1.4	2.9	7.5	22.8	13.1	35.3	.5	.9	6.1
PENNSYLVANIA	19	12	1.4	7.8	1.2	2.3	5.5	15.6	10.8	26.9	.5	1.2	10.7
NORTH CENTRAL REGION	96	58	43.6	320.4	35.3	68.6	244.0	633.8	505.2	1 139.0	42.1	31.7	416.3
EAST NORTH CENTRAL DIVISION	80	53	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	13	9	6.4	44.3	5.0	9.6	29.9	104.8	74.8	179.9	10.3	5.9	77.4
INDIANA	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	22	12	3.1	18.4	2.2	4.3	11.3	37.3	40.5	76.1	1.2	2.8	31.3
MICHIGAN	29	20	11.3	80.8	8.8	17.6	62.9	138.1	164.5	307.5	(D)	5.4	75.0
WISCONSIN	6	4	1.5	8.7	1.1	2.2	5.6	12.3	10.8	23.2	.7	1.2	9.8
WEST NORTH CENTRAL DIVISION	15	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	43	14	2.0	9.3	1.7	3.4	7.0	18.7	16.9	35.8	.9	1.9	9.8
SOUTH ATLANTIC DIVISION	16	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.1
SOUTH CAROLINA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	13	6	1.3	5.7	1.1	2.2	4.2	10.9	10.5	21.5	.4	1.1	7.7
KENTUCKY	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	14	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.5
TEXAS	9	2	.2	.7	.1	.3	.5	1.4	1.1	2.4	(D)	[2](D)	[2](D)
WEST REGION	52	17	1.5	8.1	1.1	2.1	5.2	16.6	9.1	25.6	.3	.8	8.0
PACIFIC DIVISION	48	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	42	17	1.4	7.7	1.1	2.0	4.9	16.0	8.7	24.6	(D)	.8	7.7
3699-- ELECTRICAL EQUIPMENT, NEC													
UNITED STATES	538	128	13.6	70.0	11.1	20.2	45.2	144.4	147.0	290.8	11.5	10.9	101.2
NORTHEAST REGION	208	52	5.8	28.3	4.9	9.0	20.2	60.0	65.9	126.1	2.7	4.9	45.2
NEW ENGLAND DIVISION	46	14	2.7	13.1	2.3	4.1	9.5	27.5	26.0	52.8	1.7	1.7	16.7
MAINE	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW HAMPSHIRE	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	24	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	6.9
RHODE ISLAND	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT [6]	13	4	.2	1.0	.2	.3	.8	2.0	1.9	3.9	.1	.2	1.4

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3699-- ELECTRICAL EQUIPMENT, NEC--CON.													
NORTHEAST REGION --CON.													
MIDDLE ATLANTIC DIVISION	162	38	3.1	15.3	2.7	4.9	10.7	32.5	39.9	73.3	1.1	3.2	28.5
NEW YORK	83	21	1.8	7.9	1.5	2.8	5.4	16.5	24.9	42.6	.3	[2] 2.3	17.4
NEW JERSEY	53	10	.7	4.3	.6	1.2	3.1	8.4	5.8	14.2	.4	[2] (D)	[2] (D)
PENNSYLVANIA	26	7	.5	3.0	.5	.9	2.2	7.6	9.3	16.5	.4	[2] (D)	[2] (D)
NORTH CENTRAL REGION	138	48	5.2	28.0	4.1	7.6	17.1	53.2	56.0	109.1	6.4	3.5	32.7
EAST NORTH CENTRAL DIVISION	110	41	4.4	24.2	3.5	6.3	14.7	44.4	48.5	91.9	6.2	2.8	24.1
OHIO	19	8	.7	4.7	.6	1.1	3.0	12.2	9.0	21.2	(D)	.7	8.8
INDIANA	19	9	.9	4.0	.7	1.3	2.6	7.0	9.6	16.5	(D)	.7	[2] 5.6
ILLINOIS	41	11	1.4	10.1	1.0	1.9	5.1	15.4	19.7	34.4	4.8	[2] (D)	[2] (D)
MICHIGAN	21	11	1.2	4.8	1.1	1.8	3.4	8.2	8.9	16.9	(D)	[2] (D)	[2] (D)
WEST NORTH CENTRAL DIVISION	28	7	.8	3.8	.7	1.2	2.4	8.8	7.5	17.2	.2	.7	8.6
MISSOURI	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.8
SOUTH REGION	65	14	1.2	5.7	1.0	1.8	3.6	15.2	11.4	26.3	1.8	2.0	16.9
SOUTH ATLANTIC DIVISION	31	8	.5	2.1	.4	.7	1.4	6.1	3.3	9.4	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION[e]	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	23	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
TEXAS	19	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST REGION	127	14	1.5	7.9	1.1	1.9	4.2	15.9	13.7	29.3	.5	.6	6.3
PACIFIC DIVISION [e]	110	14	1.4	7.8	1.1	1.9	4.1	15.5	13.3	28.5	.5	(D)	(D)
CALIFORNIA [e]	102	14	1.4	7.7	1.0	1.8	4.1	15.2	13.1	28.0	.5	.6	6.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Storage batteries (SIC 3691)	Primary batteries, dry and wet (SIC 3692)	X-ray apparatus and tubes (SIC 3693)	Engine electrical equipment (SIC 3694)	Electrical equipment, n.e.c. (SIC 3699)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.99	.97	.93	.81	.93
COVERAGE RATIO[2]	.97	.86	.86	.85	.50
ESTABLISHMENTS, TOTAL . . . NUMBER	232	49	82	264	538
WITH 1 TO 19 EMPLOYEES . . . DO	112	13	41	132	410
WITH 20 TO 99 EMPLOYEES . . . DO	62	13	24	70	96
WITH 100 EMPLOYEES OR MORE . . . DO	58	23	17	62	32
ALL EMPLOYEES, AVERAGE FOR YEAR . . . 1,000	19.3	11.0	7.9	55.4	13.6
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	133.3	61.0	63.3	387.4	70.0
PRODUCTION WORKERS:					
AVERAGE FOR YEAR . . . 1,000	15.2	8.9	4.3	44.2	11.1
MARCH . . . DO	14.8	8.9	4.2	45.4	10.9
MAY . . . DO	14.8	8.9	4.2	44.1	10.9
AUGUST . . . DO	15.3	8.9	4.3	43.7	11.2
NOVEMBER . . . DO	15.9	9.1	4.5	43.6	11.4
MAN-HOURS . . . MILLIONS	30.6	17.6	8.7	86.3	20.2
JANUARY-MARCH . . . DO	7.4	4.5	2.1	22.6	4.9
APRIL-JUNE . . . DO	7.3	4.7	2.2	21.5	5.0
JULY-SEPTEMBER . . . DO	7.3	4.0	2.1	20.5	5.0
OCTOBER-DECEMBER . . . DO	8.5	4.4	2.3	21.8	5.3
WAGES . . . MILLION DOLLARS	97.7	43.2	26.3	286.8	45.2
COST OF MATERIALS, ETC., TOTAL . . . DO	313.7	122.0	104.0	598.7	147.0
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . . . DO	300.3	108.9	56.4	548.3	128.6
COST OF RESALES . . . DO	4.3	11.2	45.2	38.2	14.7
FUELS CONSUMED . . . DO	2.7	.5	.4	2.5	1.2
PURCHASED ELECTRIC ENERGY . . . DO	5.6	1.1	.8	5.2	1.1
CONTRACT WORK . . . DO	.8	.2	1.1	4.6	1.4
VALUE OF SHIPMENTS, INCLUDING RESALES . . . DO	577.5	307.6	233.2	1 364.7	290.8
VALUE OF RESALES . . . DO	5.9	13.0	58.1	82.6	17.1
VALUE ADDED BY MANUFACTURE . . . DO	259.2	188.7	135.7	766.0	144.4
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL . . . DO	94.4	41.4	48.2	170.0	41.8
FINISHED PRODUCTS . . . DO	32.3	13.2	18.1	40.5	11.9
WORK IN PROCESS . . . DO	37.7	13.4	13.6	79.1	8.1
MATERIALS, SUPPLIES, FUEL, ETC. . . . DO	24.4	14.8	16.5	50.4	21.7
END OF YEAR, TOTAL . . . DO	92.1	45.4	56.1	177.0	41.8
FINISHED PRODUCTS . . . DO	29.4	14.0	23.1	45.0	11.8
WORK IN PROCESS . . . DO	36.0	15.7	15.1	74.6	8.8
MATERIALS, SUPPLIES, FUEL, ETC. . . . DO	26.7	15.7	17.9	57.3	21.2
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . . DO	15.4	20.4	11.3	49.7	12.0
NEW PLANT AND EQUIPMENT, TOTAL . . . DO	14.8	20.2	11.2	45.9	11.5
NEW STRUCTURES AND ADDITIONS TO PLANT . . . DO	3.1	9.2	7.6	9.2	2.9
NEW MACHINERY AND EQUIPMENT . . . DO	11.7	11.0	3.6	36.8	8.6
USED PLANT AND EQUIPMENT . . . DO	.5	.2	.1	3.8	.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3691-- STORAGE BATTERIES											
ESTABLISHMENTS, TOTAL	232	19.3	133.3	15.2	30.6	97.7	259.2	313.7	577.5	14.8	92.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	64	.1	.6	.1	.2	.5	1.6	2.2	4.0	.6	.6
5 TO 9 EMPLOYEES[e]	28	.2	1.3	.2	.3	.9	2.5	3.0	5.5	.1	.7
10 TO 19 EMPLOYEES	20	.3	1.6	.2	.4	1.1	3.2	4.5	7.6	.1	.9
20 TO 49 EMPLOYEES	31	.9	5.4	.6	1.3	3.4	10.8	17.9	28.7	.7	4.8
50 TO 99 EMPLOYEES	31	2.1	12.3	1.7	3.4	9.3	25.6	39.3	66.2	.9	10.3
100 TO 249 EMPLOYEES	41	6.0	41.6	4.9	9.9	31.7	83.9	123.9	209.4	4.1	31.4
250 TO 499 EMPLOYEES	9	3.4	23.5	2.6	5.2	16.0	46.8	49.7	96.5	5.7	16.8
500 TO 999 EMPLOYEES	6	6.3	47.1	4.9	9.8	34.8	84.8	73.2	159.6	2.6	26.5
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	70	.2	1.1	.2	.3	.8	2.6	3.1	5.7	.1	.8
3692-- PRIMARY BATTERIES, DRY AND WET											
ESTABLISHMENTS, TOTAL	49	11.0	61.0	8.9	17.6	43.2	188.7	122.0	307.6	20.2	45.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	10	(Z)	.1	(Z)	(Z)	.1	.4	.1	.6	[2]9.3	.1
5 TO 9 EMPLOYEES	2	(Z)	.2	(Z)	(Z)	.2	.4	.3	.5	(D)	.1
10 TO 19 EMPLOYEES[e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	6	.2	1.0	.1	.3	.6	2.0	1.6	3.5	(D)	.4
50 TO 99 EMPLOYEES	7	.6	3.0	.6	1.1	2.6	6.6	4.0	10.5	(D)	1.2
100 TO 249 EMPLOYEES	7	1.3	7.3	1.1	2.2	5.4	24.0	17.6	41.5	(D)	4.6
250 TO 499 EMPLOYEES	9	3.5	18.0	2.9	5.7	13.3	59.3	35.7	94.4	11.0	12.8
500 TO 999 EMPLOYEES	6	5.3	31.5	4.3	8.2	21.1	96.1	62.7	156.5	(D)	26.4
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1]	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3693-- X-RAY APPARATUS AND TUBES											
ESTABLISHMENTS, TOTAL	82	7.9	63.3	4.3	8.7	26.3	135.7	104.0	233.2	11.2	56.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	30	(Z)	.3	(Z)	(Z)	.1	.6	.4	1.0	(Z)	.2
5 TO 9 EMPLOYEES[e]	5	(Z)	.3	(Z)	(Z)	.1	.5	.3	.8	(Z)	.2
10 TO 19 EMPLOYEES	6	.1	.6	.1	.1	.3	1.4	.6	2.0	(Z)	.5
20 TO 49 EMPLOYEES	14	.5	2.8	.3	.7	1.8	5.1	3.7	8.8	.2	1.4
50 TO 99 EMPLOYEES	10	.7	4.7	.4	.9	2.3	10.2	6.9	17.1	.7	2.5
100 TO 249 EMPLOYEES	10	1.5	11.3	.9	1.9	4.8	25.7	9.9	34.7	2.1	9.9
250 TO 499 EMPLOYEES	3	1.0	7.2	.5	1.1	3.0	16.6	12.3	26.4	.2	9.5
500 TO 999 EMPLOYEES	2	4.2	36.1	2.0	4.0	13.8	75.6	69.7	142.4	7.9	31.9
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	30	.1	.4	(Z)	.1	.2	.8	.6	1.4	(Z)	.3
3694-- ENGINE ELECTRICAL EQUIPMENT											
ESTABLISHMENTS, TOTAL	264	55.4	387.4	44.2	86.3	286.8	766.0	598.7	1 364.7	46.0	177.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	66	.1	.6	.1	.2	.5	1.7	1.3	3.0	(Z)	.4
5 TO 9 EMPLOYEES[e]	25	.2	1.2	.2	.4	.9	2.2	2.0	4.2	.1	.5
10 TO 19 EMPLOYEES	41	.6	3.2	.5	.9	2.1	5.9	4.5	10.6	.2	1.2
20 TO 49 EMPLOYEES	40	1.3	6.7	1.1	2.2	4.9	12.3	8.8	20.9	.7	2.0
50 TO 99 EMPLOYEES	30	2.1	10.1	1.8	3.4	7.2	18.1	16.8	34.9	.4	4.8
100 TO 249 EMPLOYEES	28	4.6	22.9	3.6	7.0	15.4	48.5	54.6	102.3	1.4	14.9
250 TO 499 EMPLOYEES	16	5.4	28.7	4.4	8.8	20.8	55.3	50.1	104.6	1.5	18.4
500 TO 999 EMPLOYEES	8	5.3	32.2	3.9	7.9	20.0	63.5	42.4	106.6	2.5	23.1
1,000 TO 2,499 EMPLOYEES	6	35.8	281.9	28.8	55.7	215.0	558.6	418.3	977.5	39.1	111.7
2,500 EMPLOYEES OR MORE	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	66	.2	1.0	.2	.3	.7	2.2	1.7	3.9	.1	.5
3699-- ELECTRICAL EQUIPMENT, NEC											
ESTABLISHMENTS, TOTAL	538	13.6	70.0	11.1	20.2	45.2	144.4	147.0	290.8	11.5	41.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	291	.5	2.5	.5	.7	1.7	5.6	4.8	10.4	.1	1.3
5 TO 9 EMPLOYEES[e]	69	.5	2.3	.4	.7	1.5	4.7	4.6	9.3	.2	1.2
10 TO 19 EMPLOYEES[e]	50	.7	3.7	.5	1.0	2.3	7.3	6.9	14.1	.3	1.7
20 TO 49 EMPLOYEES	61	2.1	9.9	1.7	3.1	6.4	20.3	21.3	41.3	.5	6.4
50 TO 99 EMPLOYEES	35	2.4	12.3	2.0	3.8	7.9	24.7	33.4	57.7	2.5	8.0
100 TO 249 EMPLOYEES	19	2.7	14.2	2.1	3.9	9.3	31.0	31.5	62.3	1.9	8.9
250 TO 499 EMPLOYEES	10	3.3	14.5	2.7	4.9	9.8	30.1	29.9	60.6	1.3	10.4
500 TO 999 EMPLOYEES	3	1.5	10.7	1.2	2.2	6.3	20.6	14.7	35.2	4.7	3.9
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	321	.8	4.2	.8	1.3	2.8	8.7	7.7	16.4	.3	2.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2]Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3111	Storage batteries..... 1967..	577.5	563.2	3.4	10.0	99	579.4	563.2	16.2	97
	1963..	516.5	500.4	8.3	7.8	98	504.5	500.4	4.1	99
3692	Primary batteries, dry and wet..... 1967..	307.6	283.2	8.9	15.5	97	327.9	283.2	44.7	86
	1963..	195.3	173.5	8.0	13.8	96	191.6	173.5	18.1	91
3693	X-ray apparatus and tubes..... 1967..	233.2	154.0	11.9	67.3	93	179.8	154.0	25.8	86
	1963..	143.7	87.0	18.0	38.7	83	108.6	87.0	21.6	80
3694	Engine electrical equipment..... 1967..	1,364.7	1,031.2	238.1	95.4	81	1,220.2	1,031.2	189.0	85
	1963..	900.7	705.6	128.4	66.6	93	873.9	705.6	168.3	81
3699	Electrical equipment, n.e.c..... 1967..	290.8	251.7	17.6	21.5	93	506.3	251.7	[1]254.6	[1]50
	1963..	190.0	163.0	18.9	8.1	90	335.5	163.0	[1]172.5	[1]49

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

[1]Included in this industry are appliance wire and cord and flexible cord sets which are also primary to industry 3357, Nonferrous Wiredrawing, Etc. For 1967, a coverage ratio computed on the basis of including both industries to which appliance wire and cord and flexible cord sets are primary would total 85 percent; 50 percent by industry 3699, and 35 percent by industry 3357. The remaining 15 percent was shipped by establishments in other industries. For 1963, a coverage ratio computed on the basis of including both industries to which appliance wire and cord and flexible cord sets are primary would total 79 percent; 49 percent by industry 3699, and 30 percent by industry 3357. The remaining 21 percent was shipped by establishments in other industries.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Storage batteries (SIC 3691)	Primary batteries, dry and wet (SIC 3692)	X-ray apparatus and tubes (SIC 3693)	Engine electrical equipment (SIC 3694)	Electrical equipment, n.e.c. (SIC 3699)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	577.5	307.6	233.2	1,364.7	290.8	(X)
3691-36911	Storage batteries.....	579.4	563.2	(2-5)	-	-	-	(10-20)
36911	Storage batteries, SLI type.....	404.8	403.8	-	-	-	-	1.0
36912	Storage batteries, other than SLI type, including parts for storage batteries, all types.....	154.7	(D)	(D)	-	-	-	(D)
36910	Storage batteries, n.s.k.....	19.9	(D)	-	-	-	-	(D)
36920	Primary batteries, dry and wet.....	327.9	0.9	283.2	-	(under 2)	-	(20-50)
36930	X-ray equipment, including X-ray tubes and electric therapeutic apparatus.....	179.8	(under 2)	-	154.0	-	-	(20-50)
3694	Engine electrical equipment.....	1,220.2	(D)	-	-	1,031.2	(D)	(100-200)
36941	Ignition harness and cable sets.....	76.5	-	-	-	43.9	(D)	(D)
36942	Battery charging generators.....	288.3	-	-	-	269.8	-	18.5
36943	Cranking motors.....	221.2	-	-	-	(D)	-	(D)
36944	Spark plugs.....	186.4	-	-	-	(D)	-	(D)
36945	Other complete electrical equipment for internal combustion engines.....	267.6	(D)	-	-	242.2	-	(D)
36946	Components and parts for engine electrical equipment....	150.6	-	-	-	(D)	-	(D)
36940	Engine electrical equipment, n.s.k.....	29.6	-	-	-	29.0	(D)	(D)
3699-36992	Electrical equipment, n.e.c.....	506.3	-	-	-	-	251.7	254.6
36992	Lamp-bulb components, and other electrical products.....	192.4	-	-	-	-	130.7	61.7
36996	Appliance wire and cord and flexible cord sets (manufactured from purchased materials).....	[1]276.8	-	-	-	-	84.0	[1]192.8
36990	Electrical equipment, n.e.c., n.s.k.....	37.1	-	-	-	-	37.0	0.1

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

Product code	Class of products, industry and miscellaneous receipts	All industries	Storage batteries (SIC 3691)	Primary batteries, dry and wet (SIC 3692)	X-ray appartus and tubes (SIC 3693)	Engine electrical equipment (SIC 3694)	Electrical equipment, n.e.c. (SIC 3699)	Other industries
	Other product shipments by 4-digit product group							
3356	Rolled and drawn nonferrous metals, n.e.c.	(X)	-	-	-	(over 2)	-	(X)
3399	Primary metal products, n.e.c.	(X(	-	-	-	(5-10)	-	(X)
3599	Miscellaneous machinery, except electrical	(X)	-	(under 2)	-	(20-50)	-	(X)
3612	Transformers	(X)	-	-	-	(over 2)	-	(X)
3613	Switchgear and switchboard apparatus	(X)	-	-	-	-	(2-5)	(X)
3621	Motors and generators	(X)	-	-	-	38.1	-	
3634	Electric housewares and fans	(X)	-	-	-	(over 2)	(under 2)	(X)
3642	Lighting fixtures	(X)	-	(2-5)	(under 2)	(under 2)	(under 2)	(X)
3643	Current-carrying wiring devices	(X)	-	-	-	-	5.4	(X)
3679	Electronic components, n.e.c.	(X)	(under 2)	(under 2)	-	9.8	(under 2)	(X)
3714	Motor vehicle parts and accessories	(X)	-	-	-	(50-100)	(under 2)	(X)
3821	Mechanical measuring devices	(X)	-	-	(5-10)	(under 2)	-	(X)
3993	Signs and advertising displays	(X)	-	-	-	-	(over 2)	(X)
	All other secondary products	(X)	2.1	8.9	11.9	190.2	12.2	(X)
	Miscellaneous receipts	(X)	10.0	15.5	67.3	95.4	21.5	(X)
	Contract work	(X)	-	(under 2)	1.6	2.9	3.9	(X)
	Sale of scrap and refuse	(X)	3.8	0.9	0.1	7.9	0.1	(X)
	Resales	(X)	5.9	13.0	58.1	82.6	17.1	(X)
	Other miscellaneous receipts	(X)	0.3	(under 2)	7.5	2.0	0.3	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3691	3499 Fabricated metal products, n.e.c.	(2-5)
3691	3651 Radio and TV receiving sets	(over 2)
3693	3611 Electric measuring instruments	(5-10)
3693	3673 Electron tubes, transmitting	(5-10)
3693	3831 Optical instruments and lenses	(over 2)
3694	3079 Miscellaneous plastics products	3.9
3694	3357 Nonferrous wiredrawing and insulating products	13.0
3694	3599 Miscellaneous machinery, except electrical	(5-10)
3694	3621 Motors and generators	16.0

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products--Continued	
3694	3622 Industrial controls	(2-5)
3694	3643 Current-carrying wiring devices	(over 2)
3694	3651 Radio and TV receiving sets	(over 2)
3694	3677 Electronic components, n.e.c.	19.0
3694	3714 Motor vehicle parts and accessories	(100-200)
3699	3422 Heating equipment, except electric	(5-10)
3699	3641 Electric lamps	(20-50)
3699	3643 Current-carrying wiring, devices	(10-20)
3699	3662 Radio and TV communication equipment	(2-5)
3699	3679 Electronic components, n.e.c.	(5-10)

Note: Data shown parenthetically above are expressed in millions of dollars.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies, n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.

[1]Includes the total for product class 33576, Appliance wire and cord and flexible cord sets, which is primary to industry 3357.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3691- --	STORAGE BATTERIES, TOTAL	.....	(X)	579.4	(X)	504.5
36911 --	Storage batteries, SLI type	.....	(X)	404.8	(X)	360.9
	Motor vehicle batteries, including tractor, aircraft, and marine starting, lighting, and ignition types, complete units: Automobile, truck, farm tractor, and bus: Automotive type (all types primarily designed to fit passenger cars, regardless of application).					
36911 13	For original equipment (6 volt and 12 volt)	Million units	10.4	93.4	9.2	77.3
	For replacement: Wet:					
36911 21	6 volt	...do	3.8	33.2	r8.9	72.5
36911 23	12 volt	...do	11.6	105.1	8.5	74.1
	Dry charge:					
36911 27	6 volt	...do	3.1	24.6	4.3	33.7
36911 28	12 volt	...do	11.8	108.1	9.5	80.0
	Heavy-duty transport, motor coach bus, and diesel starting batteries (excluding marine and railway diesel starting batteries): For original equipment:					
36911 32	6 volt	...do	0.2	1.9	0.1	1.4
36911 35	12 volt	...do	0.3	3.6	0.2	3.7
	For replacement:					
36911 42	6 volt	...do	0.6	8.7	0.5	4.4
36911 45	12 volt	...do	1.0	17.2	0.3	4.4
36911 51	Aircraft	...do	0.1	3.8	0.1	3.2
36911 71	Marine	...do	0.2	2.3	0.1	1.5
36911 98	Other starting, lighting, and ignition type batteries (including motorcycle)	.....	(NA)	2.2	(X)	4.7
36911 00	Storage batteries, SLI type, n.s.k	.....	(X)	0.7	-	-
36912 --	Storage batteries, other than SLI type, including parts for storage batteries, all types	.....	(X)	154.7	(X)	139.1
	Motive power type:					
36912 11	Industrial truck type	1 million units	0.7	42.2	(NA)	27.4
36912 19	Other motive power type storage batteries, including mining and industrial locomotive, and railway	...do	1.1	19.9	(NA)	3.8
36912 51	Communication storage batteries (include radio station, telephone and telegraph, and railroad signaling)	.....	(X)	23.8	(X)	18.1
36912 61	Railway diesel starting batteries	units	(NA)	6.0	27	6.0
36912 91	Parts and supplies for storage batteries	.....	(X)	10.3	(X)	9.5
	Nickel-cadmium:					
36912 72	Sealed batteries	1,000 batteries	3.6	13.6	2.7	8.9
36912 75	Vented batteries	...do				
36912 81	Lead acid	...do				
36912 98	Other storage batteries (including farm and emergency lighting, and railway air-conditioning and car lighting)	units	(NA)	37.2	(X)	65.3
36912 00	Storage batteries other than SLI type, n.s.k	.....	(X)	1.7	-	-
36910 00	Storage batteries, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	.....	(X)	14.2	(X)	4.5
36910 02	Storage batteries, n.s.k. (Represents establishments with fewer then 10 employees in 1967. See Note.)	.....	(X)	5.7		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3692- --	PRIMARY BATTERIES, DRY AND WET, TOTAL		(X)	327.9	(X)	191.6
	Dry cells (Leclanche types), except military:					
	General purpose (6 inch or equivalent) 1.5 volts:					
36920 12	Single unit	Million batteries	16.7	9.0	5.1	2.7
36920 16	Multiple unit	...do			1.8	3.0
36920 21	D size (standard and industrial) floodlight cells (single cells only)	Million cells	394.6	42.0	399.7	34.9
36920 82	Dry cell, military type, including general purpose 1.5 volts, standard flashlight, and portable radio types	1,000 batteries	71.2	40.5	37.4	20.5
36920 92	Wet cell primary batteries	Million batteries	1.1	16.2	0.8	14.2
36920 97	Other batteries, including flashlight cells other than "D" size, lantern batteries, radio A-B and C cells, and dry cells (except Leclanche type and military.[1]	...do	(NA)	202.2	(NA)	92.1
36920 95	Parts and supplies for primary batteries		(X)	13.1	(X)	22.5
36920 00	Primary batteries, n.s.k. (represents establishments with 10 employees or more in 1967. See Note)		(X)	4.6	(X)	1.6
36920 02	Primary batteries, n.s.k. (represents establishments with fewer than 10 employees in 1967. See Note)		(X)	0.3		

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3693- --	X-RAY APPARATUS AND TUBES, TOTAL		(X)	179.8	(X)	108.6
	X-ray equipment, including X-ray tubes, and electrotherapeutic apparatus:					
36930 00	As reported in the census of manufactures		(X)	179.8	(X)	108.6
	As reported on Census annual Form MA-36N		(X)	172.6	(X)	100.6
	Medical diagnostic and therapeutic electronic equipment, except X-ray:					
36930 82	Diathermy equipment		(X)	0.9	(X)	3.7
36930 92	Electrocardiographs	1,000 units	13.1	11.0	9.8	7.5
36930 94	Electroencephalographs		(X)	42.3	(X)	18.2
36930 96	Other (electronic)					
	X-ray equipment and accessories (excluding X-ray spectrometers and diffraction equipment):					
36930 19	Medical and dental X-ray and gamma-ray equipment		(X)	68.2	(X)	42.5
36930 34	Industrial and scientific X-ray equipment		(X)	24.8	(X)	12.0
36930 71	X-ray equipment accessories		(X)	13.3	(X)	6.8
36930 49	X-ray tubes and valves, sold separately	1,000 units	(NA)	12.1	30.1	10.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	1967						1963	
			Total shipments, including interplant transfers		Domestic–for replacement including shipments to U.S. motor vehicle manufacturers for resale[1]		To U.S. motor vehicle manufacturers or their suppliers for use in original equipment[1]	For export including transfers to other divisions for export	Total shipments, including interplant transfers	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)	Value (million dollars)	Value (million dollars)	Quantity	Value (million dollars)
3694- --	ENGINE ELECTRICAL EQUIPMENT, TOTAL..	.....	(X)	1,220.2	(X)	(X)	(X)	(X)	(X)	873.9
36941 --	Ignition harness and cable sets.....	.....	(X)	76.5	(X)	(X)	(X)	(X)	(X)	58.9
	Ignition harness sets:									
36941 11	Automotive type.....	Million units.	24.2	33.3	(X)	(X)	(X)	(X)	20.4	28.7
36941 15	Aircraft type.....	...do.....	(NA)	2.3	(X)	(X)	(X)	(X)	1.4	6.7
36941 19	Other, including tractor, stationary engine, etc.....	...do.....	(NA)	3.4	(X)	(X)	(X)	(X)	(NA)	2.3
36941 51	Cable sets (automotive and aircraft types).....	...do.....	(NA)	33.9	(X)	(X)	(X)	(X)	15.4	20.7
36941 00	Ignition harness sets, n.s.k.....	.....	(X)	3.6	(X)	(X)	(X)	(X)	(X)	0.4
36942 --	Battery charging generators.....	.....	(X)	288.3	(X)	(X)	(X)	(X)	(X)	199.3
	Battery charging generators, including alternators for internal combustion engines:									
	Passenger car and light truck type:									
36942 11	6-volt.....	Million units.	(NA)	2.1	(D)	(D)	(D)	(D)	0.5	3.6
36942 15	12-volt.....	...do.....	11.6	156.3	0.3	9.2	147.1		(NA)	120.0
36942 21	Heavy-duty truck and bus type 12 volt and higher (new).....	...do.....			(D)	(D)	(D)	(D)	0.3	17.5
36942 29	All other excluding farm lighting generators (including farm tractor type battery charging generators sold to engine manufacturers for incorporation into end products such as stationary engines, marine engines, construction machinery, etc.).....	...do.....	(NA)	51.1	(X)	(X)	(X)	(X)	(NA)	17.0
36942 27	Rebuilt automotive type generators and alternators.....	...do.....	(NA)	[2]27.0	(X)	(X)	(X)	(X)	(NA)	(NA)
	Regulators for battery charging generators:									
36942 37	Rebuilt automotive type regulators..	...do.....	(NA)	[2]0.9	(X)	(X)	(X)	(X)	(NA)	(NA)
36942 41	Passenger car and light truck type (new).....	...do.....	15.1	41.4	2.9	9.6	31.8		13.9	34.9
36942 47	Heavy-duty truck and bus type (new).	...do.....	1.4	9.4	(D)	(D)	(D)	(D)	0.7	5.7
36942 49	Other types.....	...do.....			(X)	(X)	(X)	(X)		
36942 00	Battery charging generators, n.s.k....	.....	(X)	0.1	(X)	(X)	(X)	(X)	(X)	0.6
36943 --	Cranking motors.....	.....	(X)	221.2	(X)	(X)	(X)	(X)	(X)	134.7
36943 11	Passenger car and light truck type....	Million units.	11.7	197.7	(NA)	(NA)	(NA)	(NA)	8.8	108.0
36943 31	Heavy-duty truck and bus type.....	...do.....			(D)	(D)	(D)	(D)	0.8	24.8
36943 51	Farm tractor type.....	...do.....			(X)	(X)	(X)	(X)		
36943 71	Other cranking motors, including aircraft type.....	...do.....			(X)	(X)	(X)	(X)	0.2	1.9
36943 41	Rebuilt automotive type cranking motors.....	...do.....	[2]2.6	[2]23.5	(X)	(X)	(X)	(X)	(NA)	(NA)
36944 --	Spark plugs.....	.....	(X)	186.4	(X)	(X)	(X)	(X)	(X)	143.8
36944 11	Motor vehicles (passenger cars, trucks, and buses).....	Million units.	656.2	184.8	520.7	155.9	(D)	(D)	528.6	134.7
36944 31	Other types.....	...do.....			(X)	(X)	(X)	(X)	4.4	8.9
36944 00	Spark plugs, n.s.k.....	.....	(X)	1.6	(X)	(X)	(X)	(X)	(X)	0.3

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	1967						1963	
			Total shipments, including interplant transfers		Domestic–for replacement including shipments to U.S. motor vehicle manufacturers for resale[1]		To U.S. motor vehicle manufacturers or their suppliers for use in original equipment[1]	For export including transfers to other divisions for export	Total shipments, including interplant transfers	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)	Value (million dollars)	Value (million dollars)	Quantity	Value (million dollars)
3694- --	ENGINE ELECTRICAL EQUIPMENT--Continued									
36945 --	Other complete electrical equipment for internal combustion engines	...	(X)	267.6	(X)	(X)	(X)	(X)	(X)	217.1
	Ignition coils:									
36945 11	Motor vehicles (trucks, buses, and passenger cars)	Million units.	16.0	30.0	(NA)	5.7	23.7	0.6	18.4	32.7
36945 19	Other ignition coils	...do...	2.4	3.8	(X)	(X)	(X)	(X)	0.8	2.1
	Distributors:									
36945 31	Motor vehicles (passenger cars, trucks, and busses)	...do...	11.8	69.6	(NA)		69.6		9.5	53.9
36945 39	Other types	...do...								
36945 53	Ignition magnetos (all types)	1,000 units...	(NA)	12.2	(X)	(X)	(X)	(X)	174.8	17.4
36945 61	Other ignition equipment	...do...	(X)	15.9	(X)	(X)	(X)	(X)	(X)	5.5
	Switches specifically designed for use in vehicles and aircraft (all types: starting, lighting, etc.):									
36945 81	Automotive vehicle switches (trucks, buses, and passenger cars)	Million units.	124.3	120.7	(X)	(X)	(X)	(X)	113.3	80.7
36945 85	Aircraft switches	...do...	(NA)	11.7	(X)	(X)	(X)	(X)	(NA)	8.8
36945 89	Other vehicle switches	...do...			(X)	(X)	(X)	(X)	(NA)	11.9
36945 98	Other complete electrical equipment units for internal combustion engines and vehicles	...do...			(X)	(X)	(X)	(X)	(NA)	3.9
36945 00	Other complete electrical equipment for internal combustion engines, n.s.k.	...	(X)	3.7	(X)	(X)	(X)	(X)	(X)	0.3
36946 --	Components and parts for engine electrical equipment	...	(X)	150.6	(X)	(X)	(X)	(X)	(X)	114.7
36946 11	Armatures, field coils, and drive end housings	...	(X)	7.3	(X)	(X)	(X)	(X)		
36946 21	Armatures for battery charging generators	1,000 units...	(NA)	3.6	(X)	(X)	(X)	(X)	(X)	26.8
	Parts for ignition distributors:									
36946 31	Distributor heads and rotors	...	(X)	6.9	(X)	(X)	(X)	(X)	(X)	10.1
	Breaker point sets:									
36946 53	Motor vehicles (passenger cars, trucks, and buses)	Million units.	(NA)	38.1	(NA)		38.1		(X)	40.9
36946 57	All other types	...do...								
	Condensers:									
36946 73	Motor vehicles (passenger cars, trucks, and buses)	...do...	50.1	13.8	(NA)		13.8		52.3	13.6
36946 75	All other types	...do...								
36946 98	Other component parts for engine electrical equipment, including field coils for battery charging generators	...	(X)	78.6	(X)	(X)	(X)	(X)	(X)	23.2
36946 00	Components and parts for engine electrical equipment, n.s.k.	...	(X)	2.3	(X)	(X)	(X)	(X)	(X)	0.1
36940 00	Engine electrical equipment, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	...	(X)	25.7	(X)	(X)	(X)	(X)		
36940 02	Engine electrical equipment, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	...	(X)	3.9	(X)	(X)	(X)	(X)	(X)	5.4

See footnotes at end of table

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
3699- --	ELECTRICAL EQUIPMENT, N.E.C., TOTAL	(X)	506.3	(X)	335.5
36992 --	Lampbulb components (except glass blanks) and other electrical products, total	(X)	192.4	(X)	156.9
36992 11	Electrical lamp (bulb) bases	(X)	37.0	(X)	21.6
36992 21	Other electric lamp (bulb) components, including supports, electrodes, leadings, and filament, but excluding lamp bulb blanks	(X)	65.8	(X)	56.6
36992 51	Electric gongs, chimes and bells	(X)	19.2	(X)	9.0
36992 71	Christmas tree lighting outfits, including value of bulbs made or purchased and assembled in outfit	(NA)	19.5	13.1	16.2
36992 60	Electric comfort heating equipment (warm-air furnance and unit heaters), excluding air space heater. As reported in Census of Manufactures	(X)	6.6	(X)	7.1
	As reported in Census Annual Form 34N	42.1	5.9		
36992 65	For other electric comfort heating, excluding household air space heaters	(X)	44.3	(X)	(X)
36992 98	Other electrical products,n.e.c			(X)	46.4
33576 00 36996 00	Appliance wire and cord and flexible cord sets	(X)	276.8	(X)	167.7
	As reported on Census Annual Form MA33L	140.8	259.8	(X)	(X)
	As reported in the Census of Manufacture	(X)	276.8	(X)	167.7
33576 00	Made in industry 3357 (drawing and insulating of nonferrous wire)	(X)	179.0	(X)	101.7
36996 00	Made in industry 3699 (electrical machinery, equipment, n.e.c.) and other industries	(X)	97.8	(X)	66.0
36990 00	Electrical products, n.e.c, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	20.7	(X)	10.9
36990 02	Electrical products, n.e.c, n.s.k. (Represents establishments less than 10 employees in 1967. See Note.)	(X)	16.4		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated. [r]Revised.

[1]Motor vehicle parts data were published in the 1963 Census of Manufactures in Table 6E, Production and Use of Selected Parts of the Type Used for Passenger Cars, Trucks, and Busses, of report MC63(2)-37A, Motor Vehicles and Equipment. There are significant differences in the manner in which the data were developed in the two Censuses including the following:

a. In 1963 a total production figure was typically collected including, where appropriate, the quantities produced and consumed in the same establishment in producing a more finished product. In 1967 production figures were collected but are not published because they were incomplete.

b. In 1963 separate quantity data were reported for the quantities of equipment "used in the assembly of new vehicles." These data were collected from automobile assembly plants and included the quantities of parts produced and consumed in the assembly of new vehicles. For 1967 a value rather than a quantity figure was collected and the data were reported by the plants producing the parts rather than by the assembly plants. No values are included for the quantities of parts produced and consumed in the same plant. The value of parts shipped as interplant transfers from parts plants to assembly plants owned by the same company are included in both 1963 and 1967.

c. In 1963 the quantity of parts "for replacement, export, and other purposes" was derived by subtracting from the total number of units produced the quantities used in the assembly of new vehicles as reported by motor vehicle assembly plants. In 1967 the quantity and value shipped by parts producers for replacement was reported separately and, in addition, a value of export shipments was reported by parts producing plants.

[2]Data are limited to rebuilding on a factory basis. Rebuilding operations performed in service stations, garages, etc., are excluded from the census of manufactures. Also, these figures may be somewhat understated because of the exclusion of data for establishments with fewer than 10 employees. Such establishments were typically not included in the mail portion of the 1967 Census of Manufactures, but were included in the published data by the use of estimates from administrative records. These estimates are included in the value shown for product code 3694002. Although the use of such administrative records tends to create a small understatement for most specific products, the effect is more significant for those products typically produced in small establishments, such as rebuilding facilities.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
STORAGE BATTERIES, SLI TYPE (36911)		
United States	404.8	360.9
Northeast Region	77.4	73.0
New England Div	14.1	9.9
Vermont	BB	(D)
Massachusetts	CC	(1)
Connecticut	BB	(1)
Middle Atlantic Div	63.3	63.1
New Jersey	FF	(1)
Pennsylvania	FF	(1)
North Central Region	153.1	147.7
East North Central Div	111.2	112.4
Ohio	5.1	7.9
Indiana	65.0	57.4
Illinois	15.8	15.2
Michigan	FF	(1)
Wisconsin	CC	(1)
West North Central Div	41.9	35.3
Minnesota	CC	7.8
Missouri	CC	(1)
Nebraska	AA	(1)
Kansas	FF	(1)
South Region	100.3	84.3
South Atlantic Div	44.6	39.8
Delaware	CC	(1)
Virginia	BB	(1)
North Carolina	BB	(1)
South Carolina	BB	(D)
Georgia	20.6	20.9
Florida	8.4	4.9
East South Central Div	20.7	17.3
Kentucky	CC	(1)
Tennessee	9.5	9.6
Alabama	AA	(D)
Mississippi	BB	(1)
West South Central Div	35.0	27.2
Oklahoma	CC	(1)
Texas	FF	(1)
West Region	74.0	55.9
Mountain Div	5.3	6.5
Colorado	5.3	(1)
Pacific Div	68.7	49.4
Washington	AA	(D)
Oregon	CC	(1)
California	60.7	43.8
STORAGE BATTERIES (EXCEPT SLI) AND PARTS (36912)		
United States	154.7	139.1
Northeast Region	59.5	85.0
New England Div	2.2	16.8
Connecticut	AA	(1)
Middle Atlantic Div	57.3	68.2
New York	EE	(1)
New Jersey	EE	21.5
Pennsylvania	31.4	(1)
STORAGE BATTERIES (EXCEPT SLI) AND PARTS (36912)--Con.		
North Central Region	70.8	46.5
East North Central Div	FF	(D)
Ohio	BB	(D)
Indiana	CC	(1)
Illinois	35.1	20.4
West North Central Div	FF	(D)
Minnesota	CC	(1)
Missouri	EE	(1)
South Region	15.8	4.0
South Atlantic Div	EE	(D)
North Carolina	BB	(1)
South Carolina	CC	(D)
Georgia	BB	(D)
Florida	CC	(1)
West Region	8.6	3.6
Pacific Div	CC	(D)
California	7.5	(1)
IGNITION HARNESS AND CABLE SETS (36941)		
United States	76.5	58.9
Northeast Region	18.6	11.3
New England Div	3.0	2.1
Massachusetts	BB	(D)
Middle Atlantic Div	15.6	9.2
New York	10.6	7.0
Pennsylvania	BB	(1)
North Central Region	49.2	45.2
East North Central Div	FF	(D)
Ohio	EE	(1)
Indiana	EE	(1)
Illinois	BB	2.5
Michigan	20.3	9.5
West North Central Div	AA	(D)
Missouri	AA	(1)
South Region	AA	(D)
East South Central Div	AA	(D)
Mississippi	AA	(D)
West Region	CC	(D)
Pacific Div	CC	(D)
California	CC	(1)
BATTERY CHARGING GENERATORS (36942)		
United States	288.3	199.3
Northeast Region	25.8	18.4
New England Div	3.9	2.4
Massachusetts	3.9	(D)
Middle Atlantic Div	21.9	16.0
New York	10.3	6.4
New Jersey	EE	(1)
BATTERY CHARGING GENERATORS (36942)--Con.		
North Central Region	243.5	172.7
East North Central Div	GG	171.1
Ohio	EE	(1)
Indiana	GG	(1)
Illinois	4.0	1.7
Michigan	GG	(1)
Wisconsin	BB	(1)
West North Central Div	BB	1.6
Kansas	BB	(D)
South Region	14.5	5.8
South Atlantic Div	4.9	(D)
South Carolina	BB	(D)
East South Central Div	5.4	(D)
Tennessee	AA	(D)
Alabama	BB	(1)
West South Central Div	4.2	(D)
Oklahoma	BB	(D)
Texas	AA	(D)
West Region	4.5	2.4
Pacific Div	BB	(D)
California	3.8	2.0
CRANKING MOTORS (36943)		
United States	221.2	(NA)
Northeast Region	10.1	(NA)
New England Div	BB	(NA)
Massachusetts	BB	(NA)
Middle Atlantic Div	CC	(NA)
New York	CC	(NA)
North Central Region	196.4	(NA)
East North Central Div	GG	(NA)
Ohio	BB	(NA)
Indiana	GG	(NA)
Illinois	AA	(NA)
Michigan	GG	(NA)
West North Central Div	AA	(NA)
Minnesota	AA	(NA)
South Region	10.3	(NA)
South Atlantic Div	4.7	(NA)
South Carolina	BB	(NA)
East South Central Div	BB	(NA)
Mississippi	AA	(NA)
West South Central Div	BB	(NA)
Oklahoma	BB	(NA)
West Region	4.4	(NA)
Pacific Div	BB	(NA)
California	4.1	(NA)
SPARK PLUGS (36944)		
United States	186.4	143.8
Northeast Region	EE	(D)
Middle Atlantic Div	EE	(D)
Pennsylvania	EE	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
SPARK PLUGS (36944)--Con.		
North Central Region....	GG	(D)
East North Central Div....	159.4	119.5
Ohio.....	GG	(1)
Michigan.....	GG	(1)
West North Central Div....	EE	(D)
Iowa.....	EE	(1)
South Region.....	BB	(D)
East South Central Div....	BB	(D)
Alabama.....	BB	(1)
OTHER COMPLETE ELECTRICAL EQUIPMENT FOR INTERNAL COMBUSTION ENGINES (36945)		
United States.....	267.6	217.1
Northeast Region.....	53.3	52.4
New England Div.....	25.2	17.8
Massachusetts.....	21.5	(1)
Connecticut.....	3.7	(1)
Middle Atlantic Div.....	28.1	34.6
New York.....	EE	28.1
New Jersey.....	BB	(D)
Pennsylvania.....	CC	(1)
North Central Region....	202.8	147.6
East North Central Div....	GG	(D)
Ohio.....	FF	(1)
Indiana.....	GG	(1)
Illinois.....	9.6	6.9
Michigan.....	48.1	26.5
Wisconsin.....	10.1	(1)
West North Central Div....	BB	(D)
Kansas.....	AA	(D)
South Region.....	CC	(D)
East South Central Div....	CC	(D)
Alabama.....	CC	(1)
Mississippi.....	BB	(1)
West Region.....	BB	(D)
Pacific Div.....	BB	(D)
California.....	BB	(1)
COMPONENTS, PARTS FOR ENGINE ELECTRICAL EQUIPMENT (36946)		
United States.....	150.6	114.7
Northeast Region.....	39.0	31.5
New England Div.....	12.4	9.5
Massachusetts.....	BB	(1)
Connecticut.....	CC	(1)
Middle Atlantic Div.....	26.6	22.0
New York.....	FF	17.2
New Jersey.....	BB	(1)
North Central Region....	99.2	77.3
East North Central Div....	99.2	(D)
Ohio.....	CC	(1)
Indiana.....	GG	(1)
Illinois.....	31.8	24.6
Michigan.....	1.7	5.0
Wisconsin.....	BB	(1)
South Region.....	EE	(D)
East South Central Div....	10.6	(D)
Kentucky.....	CC	(1)
Alabama.....	BB	(D)
LAMP BULB COMPONENTS, OTHER ELECTRICAL PRODUCTS (36992)		
United States.....	192.4	156.9
Northeast Region.....	104.8	77.8
New England Div.....	33.3	26.4
Maine.....	CC	(1)
New Hampshire.....	CC	(D)
Massachusetts.....	BB	(1)
Rhode Island.....	EE	(1)
Connecticut.....	BB	4.9
Middle Atlantic Div.....	71.5	51.4
New York.....	FF	17.0
New Jersey.....	35.2	25.2
Pennsylvania.....	EE	9.1
North Central Region....	65.5	44.6
East North Central Div....	58.9	37.2
Ohio.....	35.6	25.2
Indiana.....	BB	5.8
Illinois.....	13.5	2.0
Michigan.....	4.8	3.1
Wisconsin.....	AA	1.1
West North Central Div....	6.6	7.4
Missouri.....	BB	(1)
Nebraska.....	AA	(D)
LAMP BULB COMPONENTS, OTHER ELECTRICAL PRODUCTS (36992)--Con.		
South Region.....	11.8	(D)
South Atlantic Div.....	BB	(D)
North Carolina.....	BB	(1)
Georgia.....	AA	(D)
East South Central Div....	AA	(D)
Tennesse.....	AA	(D)
West South Central Div....	CC	(D)
Texas.....	CC	(1)
West Region.....	10.3	(D)
Pacific Div.....	10.3	(D)
California.....	10.3	(1)
APPLIANCE WIRE AND CORD AND FLEXIBLE CORD SETS (33576 AND 36996)		
United States.....	282.0	167.7
Northeast Region.....	156.7	104.8
New England Div.....	123.9	73.9
Vermont.....	CC	(D)
Massachusetts.....	28.5	26.3
Rhode Island.....	68.9	29.1
Connecticut.....	FF	(1)
Middle Atlantic Div.....	32.8	30.9
New York.....	17.9	20.7
New Jersey.....	4.6	7.8
Pennsylvania.....	10.3	5.3
North Central Region....	93.7	55.1
East North Central Div....	GG	51.4
Ohio.....	EE	(1)
Indiana.....	33.3	17.8
Illinois.....	21.1	12.7
Michigan.....	17.7	11.0
West North Central Div....	CC	3.7
Missouri.....	CC	(1)
South Region.....	12.4	1.3
South Atlantic Div.....	CC	(D)
North Carolina.....	BB	(D)
South Carolina.....	AA	(D)
East South Central Div....	BB	(D)
Kentucky.....	BB	(D)
West South Central Div....	AA	(D)
Texas.....	AA	(D)
West Region.....	19.2	6.5
Pacific Div.....	19.2	6.5
California.....	19.2	6.5

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Quantity and Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3691-	Storage batteries	579.4	612.9	610.2	519.9	504.5	361.5	336.1	293.4
36911	Storage batteries, SLI type	404.8	417.6	423.3	379.2	360.9	279.0	258.8	249.3
36912	Storage batteries, other than SLI type, including parts for storage batteries, all types	154.7	177.4	168.1	137.0	139.1	78.5	77.3	44.0
36910	Storage batteries, n.s.k.	19.9	17.8	18.7	3.7	4.5	4.0	(NA)	(NA)
36920	Primary batteries, dry and wet	327.9	263.6	221.1	203.6	191.6	135.7	117.9	78.1
36930	X-ray equipment, including X-ray tubes, and electrotherapeutic apparatus	179.8	155.6	121.4	117.3	108.6	73.0	66.8	58.9
3694-	Engine electrical equipment	1,220.2	1,124.5	1,059.1	904.9	873.9	586.9	588.2	(NA)
36941	Ignition harness and cable sets	76.5	81.6	70.1	55.6	58.9	28.8	53.9	(NA)
36942	Battery charging generators	288.3	235.9	253.2	189.4	199.3	104.9	105.3	72.5
36943	Cranking motors	221.2	183.7	173.7	143.6	134.7	82.3	80.7	47.5
36944	Spark plugs	186.4	180.6	164.5	154.1	143.8	123.1	113.6	57.9
36945	Other complete electrical equipment, for internal combustion engines	267.6	281.9	252.7	221.6	217.1	133.8	158.5	113.3
36946	Components and parts for engine electrical equipment	150.6	149.8	134.2	132.7	114.7	103.3	76.1	70.9
36940	Engine electrical equipment, n.s.k.	29.6	10.9	10.6	7.9	5.4	10.6	(NA)	(NA)
3699-	Electrical equipment, n.e.c.	506.3	324.3	265.4	232.7	335.5	249.2	(NA)	(NA)
36992	Lamp bulb components, and other electrical products	192.4	197.1	164.2	145.8	156.9	115.8	(NA)	(NA)
36996	Appliance wire and cord and flexible cord (manufactured from purchased materials)[2]	276.8	118.4	92.5	75.0	167.7	127.1	(NA)	(NA)
36990	Electrical equipment, n.e.c., n.s.k.	37.1	8.8	8.6	11.8	10.9	6.3	(NA)	(NA)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See appendix, "Explanation of Terms")

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3691.--STORAGE BATTERIES					
	Materials, parts, containers, and supplies, total	...	(X)[1]	300.3	(X)	264.2
	Lead:					
333233	Refined unalloyed lead	1,000 Short tons.	162.6	45.2	119.8	26.1
333234	Antimonial lead	...do	207.8	60.0	223.1	57.1
281634	Litharge	...do	99.2	29.7	87.7	21.0
335607	Zinc and zinc-base alloy mill shapes and forms	...do	(D)	(D)	(NA)	(NA)
362406	Carbon and graphite electrodes and other carbon and graphite products for electrical use	...	(D)	(D)	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	[1]151.3	(X)	129.3
976000	Materials, parts, containers, and supplies, n.s.k.[2]	...	(X)	14.1	(X)	30.8
	INDUSTRY 3692.--PRIMARY BATTERIES, DRY AND WET					
	Materials, parts, containers, and supplies, total	...	(X)	108.9	(X)	69.9
335607	Zinc and zinc-base alloy mill shapes and forms	1,000 short tons.	19.1	9.0	16.2	6.6
362406	Carbon and graphite electrodes and other carbon and graphite products for electrical use	...	(X)	5.0	(X)	2.5
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	93.8	(X)	60.1
976000	Materials, parts, containers, and supplies, n.s.k.[2]	...	(X)	1.1	(X)	0.8
	INDUSTRY 3694.--ENGINE ELECTRICAL EQUIPMENT					
	Materials, parts, containers, and supplies, total	...	(X)	548.3[1]	(X)	356.4
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	105.6	21.7	118.3	24.7
331012	Sheet and strip	...do	128.4	23.1	116.6	17.6
331017	Wire and wire products	...do	(NA)	4.6	11.6	6.9
331013	Plates	...do	26.8	5.8	17.3	3.6
331019	All other carbon steel mill shapes and forms	...do				
331020	Alloy steel, except stainless	...do	3.0	0.7	1.7	0.5
331031	Stainless steel	...do	-	-	0.3	0.4
	Copper and copper base alloy:					
335728	Bare wire (for electrical conduction only)	Million pounds	42.0	27.0	39.2	19.6
335790	Insulated wire and cable	Million pounds (copper content)	49.9	28.7	30.5	16.1
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million pounds	15.6	9.8	22.4	8.3
335123	Plate, sheet, and strip, including military cups and discs	...do			8.6	4.3
335127	Pipe and tube	...do			0.1	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	0.8	0.7	1.2	1.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do	(NA)	0.2	0.6	0.5
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	2.4	1.6	0.8	0.6
	Primary metals:					
331051	Pig iron	1,000 short tons.	(D)	(D)	(D)	(D)
333401	Aluminum and aluminum-base alloy refinery shapes	...do	25.5	10.4	(D)	(D)
	Castings(rough and semifinished):[3]					
332011	Iron (gray and malleable)	...do	13.1	4.7	15.6	5.5
336100	Aluminum and aluminum-base alloy	Million pounds	13.7	7.7	10.1	5.2
336200	Copper and copper-base alloy	...do	-	-	0.5	0.3
	Bearings:					
356218	Ball	...	(X)	13.0	(X)	8.6
356201	Roller	...				
970099	All other materials and components, parts, containers and supplies consumed	...	(X)	356.8	(X)	225.6
976000	Materials, parts, containers, and supplies, n.s.k.[2]	...	(X)	31.8	(X)	7.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3699.--ELECTRICAL EQUIPMENT, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	128.6	(X)	83.3
	Mill shapes and forms (except castings):					
331001	Carbon steel	1,000 short tons.	0.7	0.3	2.8	0.9
331020	Alloy steel (except stainless)	...do.....	0.8	0.6	0.9	0.6
331031	Stainless steel	...do.....	0.4	0.3	0.5	0.5
335208	Aluminum and aluminum-base alloy	Million lbs.....	10.7	4.3	(D)	(D)
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs. copper content..	0.8	1.1	0.5	0.9
335790	Insulated wire and cable	Million lbs. copper content..	27.0	21.4	14.1	13.3
335100	Brass mill shapes (rod, sheet, bar, etc.)	1,000 short tons.	4.0	3.9	3.5	3.1
367010	Electron tubes, except X-ray[4]	Millions.....	(D)	(D)	(D)	(D)
367408	Solid state semiconductors[4]	Millions.....	1.5	0.8	1.7	1.3
281995	Silicon, hyper pure	1,000 kilograms..	(D)	(D)	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	66.3	(X)	45.5
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	29.6	(X)	17.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. e From 10 to 30 percent of this figure was estimated.

[1]Includes cost of materials for which the symbol "D" appears.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[3]No data are available for the quantities of castings produced and consumed in the same establishment.

[4]No data are available on the quantities of electron tubes or solid state semiconductors produced and consumed in the same establishment.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Item	Unit of measure	Storage batteries (SIC 3691)	Electrical equipment, n.e.c. (SIC 3699)
Cost of purchased fuels and electric energy, total	Million dollars.	8.3	7.7
Cost of purchased fuels, total	..do.....	2.7	2.5
Purchased electric energy:			
Quantity	Million kw.-hrs.	527.8	511.7
Cost	Million dollars.	5.6	5.2
Quantity of electric energy generated less quantity sold	Million kw.-hrs.	(Z)	0.5
Total energy used for heat and power[1]	Million kw.-hrs. equivalent.....	1 983.1	1 859.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. e From 10 to 30 percent of this figure was estimated.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3691	STORAGE BATTERIES										
	ENTIRE INDUSTRY	232	19.3	133.3	15.2	30.6	97.7	259.2	313.7	577.5	14.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	227	18.8	131.1	14.8	29.8	96.0	255.9	310.2	570.7	14.1
36911	STORAGE BATTERIES, SLI TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	119	12.9	93.1	10.5	21.2	70.0	176.5	238.5	419.6	8.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	111	11.4	82.5	9.5	19.2	64.4	163.4	221.9	389.7	7.0
36912	STORAGE BATTERIES (EXC. SLI) AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	27	5.4	34.7	3.9	7.8	23.4	71.8	64.0	135.8	5.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3692	PRIMARY BATTERIES, DRY AND WET										
	ENTIRE INDUSTRY	49	11.0	61.0	8.9	17.6	43.2	188.7	122.0	307.6	20.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	43	10.2	56.9	8.3	16.3	40.1	181.3	116.1	294.4	(D)
3693	X-RAY APPARATUS AND TUBES										
	ENTIRE INDUSTRY	82	7.9	63.3	4.3	8.7	26.3	135.7	104.0	233.2	11.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	78	6.9	54.7	3.9	7.9	24.0	120.9	91.6	207.0	10.3
3694	ENGINE ELECTRICAL EQUIPMENT										
	ENTIRE INDUSTRY	264	55.4	287.4	44.2	86.3	286.8	766.0	598.7	1 364.7	46.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	244	38.1	258.6	31.0	60.2	190.1	537.5	360.9	895.6	20.5
36941	IGNITION HARNESS AND CABLE SETS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	24	2.0	9.7	1.5	2.9	6.2	17.2	22.7	39.8	.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36942	BATTERY CHARGING GENERATORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	37	27.6	216.0	22.3	44.0	168.5	423.6	283.7	703.8	24.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	16	1.0	4.7	.9	1.7	3.4	7.3	6.5	13.4	.4
36943	CRANKING MOTORS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	18	5.6	40.8	4.7	8.9	32.0	68.2	87.4	161.8	6.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36944	SPARK PLUGS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
36945	OTH. COMPLETE ELECT. EQPT. FOR INTERN. COMB. ENG.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	34	9.0	46.5	7.1	14.3	32.1	78.2	73.9	153.7	2.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	23	5.5	26.0	4.5	9.0	18.3	42.3	40.3	84.2	1.4
36946	COMPONENTS, PARTS FOR ENGINE ELECTRICAL EQPT.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	22	4.8	27.7	3.4	6.7	16.1	62.6	53.8	114.4	2.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	13	1.8	9.4	1.2	2.4	5.3	24.7	22.6	47.2	.8
3699	ELECTRICAL EQUIPMENT, NEC										
	ENTIRE INDUSTRY	538	13.6	70.0	11.1	20.2	45.2	144.4	147.0	290.8	11.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	524	11.7	58.1	9.7	17.7	39.1	125.3	124.8	249.5	7.0
36992	LAMP BULB COMPONENTS, OTHER ELECTRICAL PRODUCTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	69	6.6	37.3	5.3	10.2	24.2	76.8	70.0	146.9	7.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	61	5.1	27.8	4.3	8.1	19.1	61.2	57.1	118.5	(D)
36996	APPLIANCE WIRE, CORD, CORD SETS (PURCH MATERIALS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	56	4.8	21.2	3.8	6.7	13.3	45.8	58.5	103.8	3.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	50	4.1	18.5	3.4	6.0	12.1	39.7	47.3	86.4	3.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

To be published in a separate subject chapter titled "Selected Metalworking Operations"

Transportation Equipment

37A Motor vehicles and equipment

37B Aircraft and parts

37C Ship and boat building, railroad and miscellaneous transportation equipment

This major group covers establishments primarily engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, etc.

The Standard Industrial Classification System (1967 edition) includes, in Industry Group 372, guided missile components, not elsewhere classified, and receipts from research and development on aircraft parts, guided missile components, not elsewhere classified, and airplane and missile engines.

Certain products which are sometimes associated with or considered a part of transportation equipment are classified in other major groups in the Standard Industrial Classification System. For example, wheeltype tractors, tracklaying tractors, mining cars, and industrial trucks, tractors, trailers, and stackers are in Major Group 35; and ignition systems and storage batteries, in Major Group 36.

Railroad shops are not classified as manufacturing by the Standard Industrial Classification System and, therefore, such activities are not included in employment and other establishment totals for Major Group 37 or Industry Group 374. However, such shops were requested to report the quantity and value of locomotives and railroad cars built or rebuilt. Data on railroad cars built or rebuilt in railroad shops are included only in table 6A-2 for industry 3742.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees[1]		Production workers			Value added by manufacture[2]	Cost of materials[3]	Value of shipments[3]	Capital expenditures new[4]
	Total	With 20 employees or more	Total	Payroll	Total	Man-hours	Wages				
	(number)	(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	7 734	3 539	1 935.5	16 342.4	1 336.5	2 745.6	9 918.2	28 173.9	40 419.9	68 512.3	1 822.4
1963[10]	7 394	3 006	1 639.8	12 283.4	1 180.2	2 355.7	7 388.9	21 854.0	31 790.0	53 581.0	981.1
1958	6 810	2 788	1 641.9	9 793.2	1 138.6	2 278.9	6 037.3	15 315.3	(NA)	3 828.9	629.6
1954	(NA)	(NA)	1 765.9	8 697.9	1 327.8	2 710.9	6 006.0	13 428.0	(NA)	(NA)	924.9
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	251	185	101.4	1 168.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1963[6,10]	214	154	88.6	877.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1958[6]	176	114	79.4	607.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1954[5,6]	(NA)	(NA)	60.4	397.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	7 483	3 354	1 834.1	15 173.7	1 336.5	2 745.6	9 918.2	28 173.9	40 419.9	68 512.3	1 822.4
1963	7 180	2 852	1 551.2	11 406.0	1 108.2	2 355.7	7 388.9	21 854.0	31 790.0	53 581.0	981.0
1958	6 634	2 674	1 562.4	9 185.7	1 138.6	2 274.9	6 037.3	15 315.3	(NA)	38 289.3	629.6
1954[4]	5 349	2 318	1 705.5	8 300.1	1 327.8	2 710.9	6 006.0	13 428.0	(NA)	(NA)	924.9
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966[7]	(NA)	(NA)	1 829.7	14 852.4	1 354.5	2 843.8	9 857.8	28 277.1	41 936.1	69 422.7	1 879.8
1965[7]	(NA)	(NA)	1 683.8	13 273.3	1 240.7	2 639.8	8 813.2	26 330.9	39 901.2	65 842.7	1 506.1
1964[7]	(NA)	(NA)	1 563.2	11 887.2	1 119.8	2 369.7	7 771.5	22 733.9	33 189.7	55 688.9	1 176.6
1962[6,7]	(NA)	(NA)	1 600.7	11 333.6	1 128.8	2 367.2	7 169.0	20 871.8	30 621.9	51 341.6	856.3
1961[6,7]	(NA)	(NA)	1 505.5	10 112.6	1 055.8	2 156.7	6 313.4	17 432.5	26 042.3	43 549.3	720.1
1960[6,7]	(NA)	(NA)	1 592.6	10 360.4	1 160.7	2 392.9	6 841.5	18 368.4	(NA)	(NA)	730.9
1959[6,7]	(NA)	(NA)	1 615.4	10 254.4	1 172.1	2 453.8	6 696.1	18 084.2	(NA)	(NA)	723.1
1957[7]	(NA)	(NA)	1 901.2	10 490.7	1 402.0	2 845.1	7 177.6	18 491.7	(NA)	(NA)	1 142.4
1956[7]	(NA)	(NA)	1 792.7	9 706.6	1 358.0	2 793.3	6 743.2	16 633.3	(NA)	(NA)	1 437.4
1955[7]	(NA)	(NA)	1 812.6	9 407.1	1 417.7	2 958.9	6 842.5	17 070.9	(NA)	(NA)	848.8
1953[7]	(NA)	(NA)	1 911.7	8 986.8	1 529.9	3 155.0	6 731.1	14 534.3	(NA)	(NA)	709.6
1952[7]	(NA)	(NA)	1 650.2	7 423.3	1 317.4	2 749.6	5 585.4	12 042.2	(NA)	(NA)	(NA)
1951[7]	3 393	(NA)	1 468.5	6 066.7	1 199.6	2 448.1	4 672.3	9 788.9	(NA)	(NA)	599.5
1950[7]	2 780	(NA)	1 218.4	4 679.5	1 005.9	2 060.3	3 656.5	8 546.8	(NA)	(NA)	343.4
1949[7]	(NA)	(NA)	1 140.0	4 098.4	935.6	1 873.1	3 163.3	7 054.4	(NA)	(NA)	263.7
1947	3 703	(NA)	1 174.5	3 694.9	981.1	1 961.4	2 920.8	5 841.7	(NA)	(NA)	355.0
1939[8]	2 012	(NA)	(NA)	(NA)	544.6	(NA)	867.0	1 772.6	(NA)	(NA)	(NA)
1937[9]	1 958	(NA)	(NA)	(NA)	662.2	(NA)	1 028.7	1 986.5	(NA)	(NA)	(NA)

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1]The figures for 1939 through 1967 include data for employees of manufacturing establishments who are engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2]For the period 1954 to 1967 figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year. See Introduction, "Value Added by Manufacture."

[3]The total value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry classification. For a more complete explanation, see Introduction.

[4]The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5]In addition to data for operating establishments, figures for employment and payroll for manufacturing central administrative offices and auxiliary units are shown for the years 1949 to 1953 in the annual survey of manufactures volumes. Data for these units are not available for the years 1955 to 1957, 1959 to 1962, 1964 to 1966, or prior to 1949.

[6]Figures for 1958 to 1963 for operating manufacturing establishments are not strictly comparable with prior years due to revisions of the Standard Industrial Classification System. Prior to 1958, establishments primarily engaged in the manufacture of truck and bus bearings, convertible tops for automobiles, rebuilt automotive parts, and aircraft and related engine and power take-off gears, were excluded from these data. Establishments primarily engaged in the manufacture of parachutes are included in data prior to 1958.

[7]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[8]The figures for 1939, but not for 1937, have been revised for comparability with the figures for later years. The principal revision is the exclusion of data for railroad repair shops reclassified as nonmanufacturing establishments. Value added by manufacture for 1939 on a basis strictly comparable with 1937 was $1,794 million.

[9]The figures for 1935 and earlier years are not sufficiently comparable with those for later years to be shown in this table because the earlier figures exclude data for establishments primarily engaged in the manufacture of aircraft engines and for a number of large establishments classified prior to 1937 in other industry groups.

[10]Data for 1963 to 1966 have been revised by the exclusion of automotive stamping plants operated by automobile producing companies. As a result of this revision, these plants are now classified in the metals stampings industry. The area data for prior years have not been revised on a basis comparable to 1967 but are shown in table 2 on the unrevised basis.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
37	TRANSPORTATION EQUIPMENT	7 483	3 354	1 834.1	15 173.7	1 336.5	2 745.6	9 918.2	28 173.9	40 419.9	68 512.3	1 822.4	[3]1 601.2	[3]22 765.7
	NORTHEAST REGION	1 392	611	357.7	2 996.0	239.7	499.9	1 761.2	5 497.1	5 895.1	11 379.7	322.8	321.2	3 980.5
	NEW ENGLAND DIVISION	454	172	139.2	1 164.6	88.6	193.4	650.9	1 875.4	2 004.9	3 891.9	135.6	113.2	1 237.5
	MAINE	74	14	4.9	31.0	4.1	7.5	24.0	45.2	46.9	92.5	2.4	4.4	40.1
	NEW HAMPSHIRE	17	6	.9	5.3	.8	1.7	4.5	10.0	6.4	16.1	.4	.1	.7
	VERMONT	11	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	165	60	27.0	221.5	18.5	37.7	132.7	342.1	492.5	840.1	13.0	19.2	247.9
	RHODE ISLAND	40	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	147	71	103.2	886.2	62.6	140.7	474.0	1 444.3	1 435.6	2 885.4	117.8	85.3	906.8
	MIDDLE ATLANTIC DIVISION	938	439	218.4	1 831.4	151.2	306.5	1 110.4	3 621.7	3 890.1	7 487.8	187.2	208.0	2 743.0
	NEW YORK	412	180	104.1	922.6	70.6	145.9	547.4	1 738.9	1 581.0	3 316.9	97.3	102.2	1 389.6
	NEW JERSEY	238	93	32.5	264.3	24.2	49.3	179.5	649.4	1 161.5	1 796.1	19.8	39.5	620.3
	PENNSYLVANIA	288	166	81.8	644.5	56.4	111.3	383.4	1 233.4	1 147.7	2 374.7	70.2	66.3	733.0
	NORTH CENTRAL REGION	2 258	1 205	802.9	6 589.4	625.5	1 271.1	4 759.9	13 374.1	22 466.8	35 739.9	885.2	730.6	11 675.9
	EAST NORTH CENTRAL DIVISION	1 689	951	654.9	5 447.6	517.5	1 049.4	4 007.4	11 147.9	18 730.8	29 857.7	809.5	623.6	10 037.7
	OHIO	398	239	170.8	1 426.8	128.1	258.4	965.2	2 593.8	3 835.1	6 435.1	202.7	166.5	2 489.9
	INDIANA	332	208	93.0	737.3	72.3	146.5	529.7	1 311.0	1 798.4	3 108.4	101.8	91.2	1 119.6
	ILLINOIS	265	123	45.2	348.9	35.3	70.8	246.8	864.2	1 212.4	2 049.8	43.3	40.8	601.1
	MICHIGAN	546	312	311.8	2 683.8	254.3	521.6	2 075.2	5 805.8	10 757.5	16 571.2	443.9	282.1	5 091.5
	WISCONSIN	148	69	34.1	250.7	27.6	52.1	190.5	573.0	1 127.4	1 693.2	17.8	43.0	734.6
	WEST NORTH CENTRAL DIVISION	569	254	147.9	1 141.8	108.0	221.7	752.5	2 126.2	3 736.0	5 882.2	75.7	107.0	1 638.3
	MINNESOTA	119	47	9.2	64.0	7.4	14.6	48.1	127.5	215.1	337.5	6.0	8.0	130.4
	IOWA	79	35	4.4	26.8	3.6	7.7	18.7	53.1	65.4	116.6	7.6	2.6	26.8
	MISSOURI	178	86	81.2	666.0	57.2	116.7	415.2	1 258.9	2 640.7	3 914.4	36.6	58.2	998.3
	SOUTH DAKOTA	19	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.9
	NEBRASKA	30	17	3.6	21.1	3.0	6.5	15.7	51.3	52.4	103.2	1.5	3.4	34.1
	KANSAS	137	62	49.0	361.9	36.4	75.5	253.1	625.8	742.0	1 380.9	22.8	34.6	446.7
	SOUTH REGION	1 976	783	315.5	2 384.0	238.8	489.7	1 584.9	4 336.2	6 316.8	10 647.6	237.7	231.2	2 862.8
	SOUTH ATLANTIC DIVISION	963	351	148.1	1 134.2	112.3	228.1	768.8	2 096.2	3 448.5	5 567.9	86.8	118.8	1 544.2
	DELAWARE	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	99	30	30.7	246.1	22.8	46.3	171.6	460.5	618.4	1 116.7	14.0	31.7	403.4
	VIRGINIA	105	37	27.9	207.7	25.0	49.4	178.1	290.6	288.3	576.1	13.5	25.4	263.3
	WEST VIRGINIA	15	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	102	40	6.1	31.3	5.1	10.3	22.6	67.1	70.3	135.7	2.6	4.7	39.0
	SOUTH CAROLINA	49	21	2.4	11.2	2.1	4.2	8.9	23.8	28.4	51.5	.5	.9	7.4
	GEORGIA	138	76	43.9	370.5	28.4	58.9	201.4	741.8	1 489.9	2 236.3	32.7	30.4	514.3
	FLORIDA	448	135	25.0	172.9	18.7	39.5	110.6	265.6	191.9	448.6	11.3	16.7	134.3
	EAST SOUTH CENTRAL DIVISION	297	153	54.6	348.7	43.7	87.4	254.4	642.7	854.4	1 491.4	43.8	41.0	507.4
	KENTUCKY	47	29	8.4	55.3	6.9	12.5	41.4	166.0	371.4	545.1	9.2	5.7	209.7
	TENNESSEE	100	50	16.6	92.2	13.2	27.2	64.4	188.3	186.9	361.9	18.4	11.1	94.9
	ALABAMA	89	50	16.3	104.7	13.0	26.1	80.3	163.4	191.9	355.7	10.3	16.0	142.4
	MISSISSIPPI	61	24	13.4	96.5	10.6	21.6	68.4	125.0	104.2	228.6	5.9	8.3	60.4
	WEST SOUTH CENTRAL DIVISION	716	279	112.8	901.1	82.8	174.2	561.6	1 597.3	2 013.9	3 588.3	107.1	71.4	811.2
	ARKANSAS	67	25	3.0	13.9	2.6	5.1	10.8	17.9	56.5	75.0	1.3	2.1	16.0
	LOUISIANA	145	49	15.2	101.8	13.5	28.9	85.8	173.6	157.2	328.1	16.6	11.3	112.1
	OKLAHOMA	96	36	13.9	105.8	9.7	20.1	61.1	156.9	101.1	245.0	6.2	7.8	67.5
	TEXAS	408	169	80.6	679.8	56.9	120.1	403.9	1 248.9	1 699.2	2 940.2	82.9	50.1	615.6
	WEST REGION	1 857	755	358.2	3 204.2	232.5	484.9	1 812.1	5 066.4	5 741.2	10 745.2	376.7	317.8	4 241.8
	MOUNTAIN DIVISION	234	81	23.4	207.8	16.1	33.8	135.4	326.5	263.9	583.8	15.8	36.4	516.0
	IDAHO	30	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.4
	WYOMING	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	63	25	9.9	91.2	7.3	15.2	66.6	134.5	68.1	198.8	(D)	(D)	(D)
	ARIZONA	60	19	6.1	58.0	5.0	11.2	48.1	86.7	102.7	190.3	2.2	5.8	78.4
	UTAH	42	17	5.8	49.8	2.3	4.9	14.7	90.2	66.8	153.5	3.1	(D)	(D)
	PACIFIC DIVISION	1 623	674	334.8	2 996.7	216.4	451.1	1 676.8	4 739.8	5 477.3	10 161.4	361.0	281.5	3 726.3
	WASHINGTON	209	66	86.8	789.3	44.8	92.2	342.1	972.8	1 460.5	2 425.9	(D)	72.4	990.4
	OREGON	107	34	7.9	56.8	6.4	12.9	44.9	102.8	113.8	222.6	3.8	5.1	50.7
	CALIFORNIA	1 289	572	239.7	2 147.6	164.9	345.2	1 287.3	3 657.3	3 900.5	7 503.4	(D)	203.9	2 683.7
	HAWAII	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.0
371	MOTOR VEHICLES AND EQUIPMENT	2 675	1 281	739.4	5 929.9	605.5	1 218.3	4 586.4	13 666.1	26 730.0	40 339.8	870.5	693.8	12 780.6
	NORTHEAST REGION	456	205	80.6	624.1	65.0	130.7	477.6	1 554.3	2 628.5	4 176.5	73.6	79.2	1 347.5
	NEW ENGLAND DIVISION	102	37	10.1	75.8	7.9	17.4	55.5	196.3	335.1	533.6	4.9	7.2	114.1
	NEW HAMPSHIRE	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	53	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	80.5
	RHODE ISLAND	9	4	.5	3.3	.5	1.0	2.8	6.7	8.3	15.3	.2	.6	5.2
	CONNECTICUT	27	9	4.5	32.1	3.3	7.4	21.6	68.3	87.5	158.4	1.8	3.3	28.2
	MIDDLE ATLANTIC DIVISION	354	168	70.6	548.3	57.1	113.3	422.0	1 358.0	2 293.4	3 642.9	68.7	71.4	1 233.4
	NEW YORK	143	59	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	39.6	635.6
	NEW JERSEY	79	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PENNSYLVANIA	132	76	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963		
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)							
371	MOTOR VEHICLES AND EQUIPMENT--CON.														371
	NORTH CENTRAL REGION	1 121	651	549.3	4 523.0	451.2	910.4	3 520.2	10 014.0	19 086.9	29 072.4	698.2	529.6	9 533.3	
	EAST NORTH CENTRAL DIVISION	884	543	503.3	4 174.8	413.4	835.4	3 253.3	9 054.2	16 542.9	25 581.7	664.5	495.8	8 638.2	
	OHIO	217	138	105.9	841.2	87.3	173.2	660.5	1 724.3	2 977.0	4 700.0	146.0	112.4	1 895.3	
	INDIANA	126	85	55.1	421.7	44.8	90.2	326.6	838.5	1 204.5	2 026.4	57.4	60.2	775.5	
	ILLINOIS	155	77	22.4	159.8	18.4	36.5	119.2	425.6	778.3	1 198.3	13.5	22.4	373.9	
	MICHIGAN	323	213	291.7	2 539.4	239.9	493.0	1 984.6	5 558.6	10 537.4	16 107.7	433.0	263.1	4 901.0	371
	WISCONSIN	63	30	28.3	212.7	22.9	42.6	162.4	507.2	1 045.6	1 549.3	14.6	37.7	692.6	371
	WEST NORTH CENTRAL DIVISION	237	108	46.0	348.2	37.8	75.0	266.9	959.8	2 544.0	3 490.7	33.7	33.8	895.1	371
	MINNESOTA	59	23	4.0	28.9	3.2	5.9	20.9	80.2	176.6	254.2	3.2	(D)	(D)	371
	IOWA	37	19	2.6	14.5	2.1	4.7	10.8	34.2	46.7	79.1	6.3	1.3	14.4	371
	MISSOURI	90	49	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	NEBRASKA	11	5	1.8	10.5	1.6	3.3	8.2	31.7	25.3	56.4	1.1	(D)	(D)	371
	KANSAS	27	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	SOUTH REGION	552	220	70.9	491.3	58.4	116.6	374.6	1 394.0	3 178.4	4 567.3	61.4	52.8	1 250.0	371
	SOUTH ATLANTIC DIVISION	226	81	39.3	295.9	32.8	66.0	231.7	873.7	2 131.9	2 999.3	31.1	29.4	751.0	371
	DELAWARE	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	MARYLAND	19	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	VIRGINIA	27	12	3.0	21.2	2.4	4.8	15.3	63.3	144.9	205.8	4.5	(D)	(D)	371
	WEST VIRGINIA	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	NORTH CAROLINA	35	16	3.3	17.5	2.8	5.7	12.7	39.8	32.1	70.9	1.5	2.0	18.9	371
	SOUTH CAROLINA	13	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.6	371
	GEORGIA	52	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	FLORIDA	69	12	1.1	6.3	.9	1.8	4.5	11.8	15.5	27.2	1.0	.8	5.3	371
	EAST SOUTH CENTRAL DIVISION	117	69	18.3	105.6	14.8	28.8	78.0	283.9	493.6	783.6	23.3	12.7	280.1	371
	KENTUCKY	22	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	TENNESSEE	44	26	6.3	31.6	5.2	10.6	22.9	76.1	71.4	146.3	11.1	4.1	40.4	371
	ALABAMA	35	20	3.8	20.0	3.0	6.1	14.6	35.7	54.7	90.5	2.0	(D)	(D)	371
	MISSISSIPPI	16	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	371
	WEST SOUTH CENTRAL DIVISION	209	70	13.3	89.8	10.8	21.8	64.9	236.4	552.9	784.4	7.0	10.7	219.0	371
	ARKANSAS	30	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.2	371
	LOUISIANA	18	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	(D)	(D)	371
	OKLAHOMA	37	12	2.0	12.6	1.6	3.3	7.3	21.3	28.0	48.4	.5	(D)	(D)	371
	TEXAS	123	46	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.9	189.9	371
	WEST REGION	546	205	38.6	291.5	30.9	60.5	214.0	703.8	1 836.2	2 523.5	37.2	32.0	637.6	371
	MOUNTAIN DIVISION	74	19	1.9	11.0	1.5	3.0	7.5	20.5	26.3	46.5	1.2	1.6	14.7	371
	COLORADO	29	12	1.3	7.5	1.0	1.9	4.9	12.2	17.9	30.0	.5	1.0	9.7	371
	ARIZONA[e]	15	2	.2	1.0	.1	.3	.7	1.3	1.4	2.7	.1	(D)	(D)	371
	UTAH	11	4	.4	1.9	.3	.6	1.4	6.0	5.1	10.9	.5	.2	1.5	371
	PACIFIC DIVISION	472	186	36.7	280.5	29.4	57.6	206.5	683.2	1 809.9	2 477.0	36.1	30.4	622.9	371
	WASHINGTON	36	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	20.8	371
	OREGON	37	15	1.8	12.8	1.3	2.8	9.3	23.5	45.2	68.6	.6	(D)	(D)	371
	CALIFORNIA	397	158	33.2	255.1	26.9	52.4	188.9	639.1	1 721.9	2 344.6	34.6	27.0	583.4	371
372	AIRCRAFT AND PARTS	1 273	832	802.0	7 209.4	489.3	1 047.6	3 792.9	11 327.0	9 784.3	21 063.9	798.9	679.4	7 867.3	372
	NORTHEAST REGION	311	215	203.3	1 816.5	120.6	262.5	924.4	3 181.9	2 393.1	5 572.0	212.4	175.2	1 976.3	372
	NEW ENGLAND DIVISION	123	89	99.2	849.2	61.8	138.2	470.9	1 396.9	1 440.6	2 845.2	115.7	79.0	860.5	372
	MAINE	5	5	1.1	6.7	.8	1.6	4.4	9.9	12.0	22.5	.3	(D)	(D)	372
	NEW HAMPSHIRE	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	VERMONT	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	MASSACHUSETTS	24	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.6	111.1	372
	RHODE ISLAND	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	CONNECTICUT	82	56	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	65.2	706.6	372
	MIDDLE ATLANTIC DIVISION	188	126	104.1	967.3	58.7	124.3	453.5	1 784.9	952.4	2 726.8	96.7	96.2	1 115.8	372
	NEW YORK	104	68	58.3	563.1	32.7	69.3	263.7	971.5	555.1	1 523.2	49.2	52.7	665.3	372
	NEW JERSEY	41	23	11.7	102.4	7.1	15.4	55.3	169.8	113.3	277.0	11.0	(D)	(D)	372
	PENNSYLVANIA	43	35	34.1	301.8	19.0	39.6	134.4	643.7	284.1	926.6	36.5	(D)	(D)	372
	NORTH CENTRAL REGION	284	195	186.7	1 612.4	119.5	252.6	900.1	2 382.6	2 127.3	4 511.6	151.0	149.1	1 601.1	372
	EAST NORTH CENTRAL DIVISION	209	145	97.7	895.6	60.1	127.8	472.0	1 329.0	1 155.6	2 477.9	117.1	85.0	938.7	372
	OHIO	84	59	55.2	520.9	32.4	68.7	252.6	754.9	715.1	1 478.6	52.6	47.8	529.0	372
	INDIANA	27	20	23.7	219.5	15.7	33.9	130.9	324.4	267.1	590.9	36.8	20.5	235.0	372
	ILLINOIS	26	18	7.1	62.7	4.5	9.9	36.8	93.1	75.5	158.3	19.6	6.3	63.5	372
	MICHIGAN	68	45	11.3	89.3	7.0	14.6	49.3	150.9	92.7	239.7	7.7	10.1	107.7	372
	WISCONSIN	4	3	.4	3.1	.4	.8	2.5	5.6	5.3	10.4	.3	.4	3.4	372
	WEST NORTH CENTRAL DIVISION	75	50	88.9	716.9	59.4	124.8	428.0	1 053.6	971.6	2 033.7	34.0	64.1	662.4	372
	MINNESOTA[e]	7	5	3.4	25.9	2.7	5.9	20.7	30.2	12.0	39.6	1.5	3.5	30.6	372
	IOWA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	MISSOURI	21	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	KANSAS	41	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	SOUTH REGION	167	117	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	99.3	964.8	372
	SOUTH ATLANTIC DIVISION	70	46	49.8	439.2	27.9	59.3	207.0	648.7	745.7	1 429.9	32.9	43.8	414.2	372
	DELAWARE	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	MARYLAND	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	14.3	141.2	372
	VIRGINIA	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	14.6	372
	NORTH CAROLINA	5	3	.3	1.9	.2	.4	.9	3.9	2.0	5.4	.5	1.5	12.1	372
	GEORGIA	11	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372
	FLORIDA	44	25	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	372

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
372	AIRCRAFT AND PARTS--CONTINUED													
	EAST SOUTH CENTRAL DIVISION	16	14	12.8	91.7	8.2	17.3	53.9	152.1	75.9	213.6	6.8	12.8	108.0
	TENNESSEE	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	9	8	6.5	42.9	4.5	8.5	29.5	63.9	22.9	83.1	2.5	(D)	(D)
	MISSISSIPPI	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	81	57	70.8	628.9	47.0	101.1	347.8	1 079.7	1 119.4	2 181.7	76.5	42.7	442.6
	ARKANSAS	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OKLAHOMA	16	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	60	43	58.4	533.9	38.3	83.4	292.0	921.5	1 059.9	1 978.5	69.9	34.3	362.3
	WEST REGION	511	305	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	255.7	3 322.7
	MOUNTAIN DIVISION	41	26	19.0	184.5	12.4	26.7	118.5	285.8	197.0	476.2	13.9	33.1	487.5
	WYOMING	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	10	6	8.2	81.8	6.0	12.5	60.1	119.3	44.8	160.3	9.4	(D)	(D)
	ARIZONA	19	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.3	75.2
	UTAH	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	470	279	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	222.6	2 835.2
	WASHINGTON	37	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OREGON	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	429	256	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
373	SHIP AND BOAT BUILDING, REPAIRING	2 011	540	169.3	1 239.0	140.4	282.8	947.5	1 705.1	1 386.2	3 089.6	86.1	139.5	1 192.7
	NORTHEAST REGION	476	120	46.3	366.1	32.6	65.4	221.6	459.9	348.5	809.0	20.7	46.0	422.6
	NEW ENGLAND DIVISION	206	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	25.8	249.0
	MAINE	62	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	77	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.8	52.3
	RHODE ISLAND	25	7	.6	3.7	(D)	1.1	2.8	4.4	5.1	10.8	.2	(D)	(D)
	CONNECTICUT	33	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	270	81	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	20.2	173.6
	NEW YORK	135	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.5	48.9
	NEW JERSEY	106	33	5.5	42.6	4.8	9.9	35.0	61.7	39.2	99.9	1.4	9.2	82.8
	PENNSYLVANIA	29	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.6	41.9
	NORTH CENTRAL REGION	247	78	12.6	78.9	10.9	21.9	63.8	124.4	131.3	257.9	6.5	9.6	75.9
	EAST NORTH CENTRAL DIVISION	170	55	FF	(D)	(D)	(D)	(D)	(D)	16.2	37.5	.6	8.4	67.0
	OHIO	26	12	2.3	15.3	2.1	4.1	13.5	21.4	21.9	42.1	1.6	(D)	(D)
	INDIANA	26	11	2.0	12.5	1.8	3.5	10.1	20.0	(D)	(D)	(D)	1.6	13.4
	ILLINOIS	21	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	4.8
	MICHIGAN	56	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WISCONSIN	41	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	19.5
	WEST NORTH CENTRAL DIVISION	77	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	8.9
	MINNESOTA	28	10	1.0	5.4	.8	1.5	3.7	9.5	11.7	21.3	(D)	(D)	(D)
	MISSOURI	28	9	1.7	10.1	1.5	3.0	8.1	20.8	18.4	39.0	1.7	.3	3.2
	KANSAS	14	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	859	246	85.1	594.5	74.7	151.4	493.6	803.6	636.8	1 457.1	46.3	65.2	515.1
	SOUTH ATLANTIC DIVISION	489	126	48.2	342.8	42.7	85.4	287.4	463.0	327.2	788.6	19.4	40.8	333.0
	MARYLAND	69	15	10.0	75.4	8.5	16.5	59.6	107.2	95.3	202.7	5.8	(D)	(D)
	VIRGINIA	64	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	45	9	1.3	6.3	1.2	2.3	5.0	11.7	13.0	24.5	.4	.8	5.1
	SOUTH CAROLINA	19	8	.9	4.0	.8	1.6	3.3	7.9	6.2	13.9	.2	(D)	(D)
	GEORGIA	25	8	1.5	8.8	1.4	2.8	7.4	14.8	10.6	25.5	.3	1.1	6.7
	FLORIDA	262	66	10.3	64.6	8.9	18.7	51.7	99.4	70.0	168.0	4.0	6.0	43.0
	EAST SOUTH CENTRAL DIVISION	105	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.8	60.8
	KENTUCKY	10	5	.5	2.6	.5	1.0	2.4	5.1	4.6	9.8	.3	.3	2.2
	TENNESSEE	30	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	32	10	2.4	17.6	2.2	4.7	15.4	24.1	12.2	36.2	.9	3.0	19.9
	MISSISSIPPI	33	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	265	85	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	14.6	121.3
	ARKANSAS	16	7	.5	2.1	.4	.8	1.6	3.3	4.1	7.3	.3	.5	2.2
	LOUISIANA	116	38	13.0	90.8	11.6	25.3	77.7	136.1	140.7	276.6	15.1	8.0	71.2
	TEXAS	121	39	9.0	58.8	7.7	14.9	46.5	92.0	62.3	153.0	5.6	6.0	47.6
	WEST REGION	429	96	25.2	199.4	22.1	44.1	168.5	317.3	269.5	585.6	12.7	18.7	179.3
	MOUNTAIN DIVISION	22	5	.2	.9	.2	.3	.8	1.4	2.7	4.1	.1	.1	.8
	UTAH	8	4	.2	.7	.1	.2	.6	1.0	2.1	3.2	(D)	(D)	(D)
	PACIFIC DIVISION	407	91	25.0	198.5	21.9	43.8	167.7	315.9	266.9	581.5	12.6	18.6	178.5
	WASHINGTON	108	25	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OREGON	38	7	2.7	21.6	2.2	4.1	16.8	45.0	22.5	67.4	.3	2.1	20.9
	CALIFORNIA	245	57	14.3	110.3	12.7	25.1	92.9	177.0	144.5	321.1	8.0	11.1	109.4
	HAWAII	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
374	RAILROAD EQUIPMENT	123	85	56.6	426.7	44.4	86.3	313.8	787.9	1 288.2	2 110.6	40.5	45.1	541.5
	NORTHEAST REGION	34	26	21.4	156.4	16.5	31.3	112.4	237.5	412.6	646.7	14.3	16.8	189.3
	MIDDLE ATLANTIC DIVISION	34	26	21.4	156.4	16.5	31.3	112.4	237.5	412.6	646.7	14.3	16.8	189.3
	NEW YORK	7	6	3.3	22.0	2.6	5.2	16.5	38.5	62.9	103.2	1.4	3.2	30.3
	NEW JERSEY	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PENNSYLVANIA	21	18	17.2	127.8	13.1	24.4	90.8	190.1	322.6	507.6	12.4	(D)	(D)
	NORTH CENTRAL REGION	68	44	27.4	212.8	21.5	42.1	156.0	460.9	602.0	1 091.9	18.8	23.0	282.7
	EAST NORTH CENTRAL DIVISION	60	38	24.0	189.1	18.8	37.1	138.3	445.6	528.6	978.3	16.5	19.8	251.4
	OHIO	13	9	4.1	31.2	3.5	7.0	25.3	53.8	71.2	123.7	2.8	(D)	(D)
	INDIANA	6	5	4.5	32.2	3.6	6.7	24.6	40.2	105.5	162.0	3.2	3.6	41.4
	ILLINOIS	27	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	10.4	147.1
	MICHIGAN	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WISCONSIN	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	8	6	3.4	23.7	2.7	5.0	17.7	15.3	73.4	113.6	2.3	(D)	(D)
	MISSOURI	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	14	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH ATLANTIC DIVISION	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARKANSAS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WASHINGTON	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OREGON	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
375	MOTORCYCLES, BICYCLES, AND PARTS	91	33	12.0	70.3	10.1	19.1	53.4	136.2	170.6	299.6	7.3	9.7	82.2
	NORTHEAST REGION	17	7	1.7	9.0	1.5	2.8	7.1	15.7	25.0	40.6	.2	1.4	11.7
	NEW ENGLAND DIVISION	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW YORK	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CENTRAL REGION	28	11	4.9	33.9	3.9	7.5	24.5	65.5	73.4	134.8	4.5	4.0	35.6
	EAST NORTH CENTRAL DIVISION	24	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OHIO	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.0
	INDIANA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.6
	ILLINOIS	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WISCONSIN	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	13	7	4.3	21.4	3.8	7.1	17.0	45.5	59.4	102.7	(D)	(D)	(D)
	SOUTH ATLANTIC DIVISION	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KENTUCKY	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARKANSAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	33	8	1.1	6.1	1.0	1.7	4.8	9.5	12.8	21.5	(D)	(D)	(D)
	PACIFIC DIVISION	28	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	27	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.4
379	MISC. TRANSPORTATION EQUIPMENT	1 310	583	54.8	298.4	46.8	91.5	224.2	551.4	1 060.5	1 608.9	21.0	33.7	301.3
	NORTHEAST REGION	98	38	4.3	23.8	3.7	7.2	18.1	47.9	87.4	134.9	1.6	2.5	24.3
	NEW ENGLAND DIVISION	18	4	.2	.9	.2	.3	.7	2.2	2.6	4.7	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	80	34	4.1	23.0	3.5	6.9	17.4	45.8	84.8	130.2	(D)	(D)	(D)
	NEW YORK	16	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW JERSEY	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.9
	PENNSYLVANIA	61	28	3.7	21.0	3.2	6.2	15.8	41.9	79.3	120.9	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
379	MISC. TRANSPORTATION EQUIPMENT--CONTINUED													
	NORTH CENTRAL REGION	510	226	21.9	128.3	18.5	36.6	95.3	226.8	445.9	671.4	7.9	15.3	147.3
	EAST NORTH CENTRAL DIVISION	342	160	15.8	96.1	13.2	25.5	70.4	169.1	340.5	508.2	5.2	11.4	111.0
	OHIO	50	18	2.4	13.7	2.0	4.1	9.7	25.6	43.4	69.3	.5	1.4	12.9
	INDIANA	144	85	7.6	50.5	6.3	11.9	36.9	86.0	195.4	281.1	2.9	4.9	51.6
	ILLINOIS	32	4	.4	1.8	.3	.6	1.4	4.5	6.3	10.8	.2	(D)	(D)
	MICHIGAN	87	35	3.7	20.7	3.0	5.8	15.4	36.0	63.6	99.0	1.2	3.8	38.7
	WISCONSIN	29	18	1.9	9.4	1.6	3.1	7.0	16.9	31.7	48.0	.4	(D)	(D)
	WEST NORTH CENTRAL DIVISION	168	66	6.1	32.2	5.3	11.1	24.9	57.7	105.4	163.2	2.7	3.9	36.3
	MINNESOTA	22	7	.6	3.0	.5	1.1	2.3	6.2	13.7	19.8	.3	.2	1.7
	IOWA	33	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	34	10	.8	3.6	.7	1.4	3.0	5.8	12.2	17.5	.3	.4	3.6
	NEBRASKA	17	10	1.2	6.3	1.0	2.2	5.0	11.8	19.0	31.2	.2	.7	6.9
	KANSAS	52	24	2.3	12.8	2.0	4.2	9.6	23.4	42.5	66.4	1.6	1.4	16.3
	SOUTH REGION	371	183	17.0	82.4	14.7	28.6	62.2	163.5	325.7	489.1	6.5	7.4	61.2
	SOUTH ATLANTIC DIVISION	169	92	8.7	44.0	7.4	14.5	33.0	83.3	188.4	271.1	3.0	3.9	35.6
	MARYLAND	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	12	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	17	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	2.9
	SOUTH CAROLINA	16	9	.8	3.2	.6	1.2	2.4	6.3	15.8	22.1	.1	(D)	(D)
	GEORGIA	45	31	3.3	17.8	2.9	5.8	13.6	33.1	82.1	115.6	1.6	1.6	17.1
	FLORIDA	71	32	2.4	12.5	2.0	3.8	9.0	23.3	47.0	70.3	.6	1.2	10.6
	EAST SOUTH CENTRAL DIVISION	52	30	3.5	15.1	3.1	6.2	11.9	35.3	53.0	88.6	1.5	1.0	5.8
	KENTUCKY	11	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	20	9	.7	2.6	.6	1.3	2.0	5.7	11.2	17.3	.6	.3	1.1
	ALABAMA	11	11	1.4	5.7	1.2	2.5	4.6	13.6	24.2	37.6	.6	.3	1.8
	MISSISSIPPI	10	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	150	61	4.9	23.3	4.2	8.0	17.3	44.9	84.3	129.4	2.0	2.5	19.7
	ARKANSAS	15	8	.6	2.3	.5	1.0	1.7	4.4	7.6	12.1	.1	(D)	(D)
	LOUISIANA[e]	8	4	.3	1.6	.3	.6	1.3	3.0	5.6	8.4	.1	(D)	(D)
	OKLAHOMA	29	12	.9	4.5	.7	1.3	2.9	7.7	16.1	24.1	.4	.6	4.6
	TEXAS	98	37	3.0	14.9	2.7	5.1	11.5	29.9	55.1	84.8	1.3	(D)	(D)
	WEST REGION	331	136	11.5	63.9	9.9	19.1	48.5	113.3	201.5	313.6	5.0	8.5	68.1
	MOUNTAIN DIVISION	92	30	2.2	10.9	2.0	3.8	8.4	18.3	37.5	56.0	.6	(D)	(D)
	IDAHO	19	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.6
	COLORADO	24	7	.4	1.9	.4	.7	1.5	3.1	5.4	8.5	.1	.3	2.4
	ARIZONA	21	5	.3	1.7	.3	.6	1.4	2.9	6.3	9.0	(D)	.2	1.6
	UTAH	17	4	.3	1.3	.3	.5	1.0	1.6	3.5	5.3	(Z)	.3	2.7
	PACIFIC DIVISION	239	106	9.3	53.0	8.0	15.3	40.2	95.0	164.0	257.6	4.5	(D)	(D)
	WASHINGTON	25	5	.4	1.8	.3	.6	1.5	2.8	6.6	9.2	.2	.2	1.4
	OREGON	27	9	1.2	6.2	1.0	1.9	4.9	9.4	15.6	25.3	1.1	(D)	(D)
	CALIFORNIA	187	92	7.8	45.0	6.6	12.8	33.8	82.8	141.9	223.2	3.2	6.3	51.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

[3]Unrevised. See footnote 10, table 1.

TABLE 3. Detailed Statistics: 1967

Item	Transportation equipment (SIC 37)	Motor vehicles and equipment (SIC 371)	Aircraft and parts (SIC 372)	Ship and boat building and repairing (SIC 373)	Railroad equipment (SIC 374)	Motorcycles, bicycles, and parts (SIC 375)	Miscellaneous transportation equipment (SIC 379)
ESTABLISHMENTS, TOTAL ..... NUMBER	7 483	2 675	1 273	2 011	123	91	1 310
WITH 1 TO 19 EMPLOYEES ..... DO	4 129	1 394	441	1 471	38	58	727
WITH 20 TO 99 EMPLOYEES ..... DO	1 891	684	395	349	33	13	417
WITH 100 EMPLOYEES OR MORE ..... DO	1 463	597	437	191	52	20	166
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	1 834.1	739.4	802.0	169.3	56.6	12.0	54.8
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	15 173.7	5 929.9	7 209.4	1 239.0	426.7	70.3	298.4
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	1 336.5	605.5	489.3	140.4	44.4	10.1	46.8
MARCH ..... DO	1 321.4	614.7	467.1	140.1	47.0	9.6	42.9
MAY ..... DO	1 328.6	615.0	467.3	143.8	45.8	9.7	47.0
AUGUST ..... DO	1 280.2	568.1	468.9	139.4	43.3	10.7	49.8
NOVEMBER ..... DO	1 416.4	624.3	554.1	138.3	41.6	10.5	47.6
MAN-HOURS ..... MILLIONS	2 745.6	1 218.3	1 047.6	282.8	86.3	19.1	91.5
JANUARY-MARCH ..... DO	682.7	304.2	258.6	72.0	23.7	4.3	19.9
APRIL-JUNE ..... DO	701.1	314.6	261.7	73.2	22.9	4.9	23.8
JULY-SEPTEMBER ..... DO	653.7	280.6	255.7	68.5	19.4	5.1	24.4
OCTOBER-DECEMBER ..... DO	708.1	318.9	271.6	69.1	20.3	4.8	23.4
WAGES ..... MILLION DOLLARS	9 918.2	4 586.4	3 792.9	947.5	313.8	53.4	224.2
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	40 419.9	26 730.0	9 784.3	1 386.2	1 288.2	170.6	1 060.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ..... DO	38 279.1	25 998.9	8 558.7	1 296.9	1 243.3	152.3	1 029.0
COST OF RESALES ..... DO	(D)	453.5	336.7	25.9	(D)	13.2	20.0
FUELS CONSUMED ..... DO	(D)	93.6	28.4	8.6	(D)	1.5	2.6
PURCHASED ELECTRIC ENERGY ..... DO	(D)	130.6	79.2	16.0	(D)	1.4	4.2
CONTRACT WORK ..... DO	(D)	53.4	781.4	38.8	(D)	2.2	4.7
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	68 512.3	40 339.8	21 063.9	3 089.6	2 110.6	299.6	1 608.9
VALUE OF RESALES ..... DO	(D)	520.9	403.1	31.0	(D)	16.7	29.6
VALUE ADDED BY MANUFACTURE ..... DO	28 173.9	13 666.1	11 327.0	1 705.1	787.9	136.2	551.4
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL ..... DO	9 996.4	3 479.8	5 133.6	743.8	447.4	51.4	140.4
FINISHED PRODUCTS ..... DO	1 120.8	615.2	349.4	45.0	50.8	14.1	46.3
WORK IN PROCESS ..... DO	6 211.4	1 487.9	3 795.8	589.0	298.8	21.8	18.1
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	2 664.1	1 376.8	988.3	109.9	97.8	15.4	75.9
END OF YEAR, TOTAL ..... DO	12 323.4	3 527.4	7 276.7	915.9	389.2	60.3	153.9
FINISHED PRODUCTS ..... DO	1 185.2	635.6	386.2	45.7	52.0	17.8	47.9
WORK IN PROCESS ..... DO	8 065.6	1 523.6	5 472.9	761.0	263.2	25.3	19.6
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	3 072.4	1 368.0	1 417.7	109.1	74.0	17.2	86.4
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ..... DO	1 952.1	909.0	881.7	91.6	41.7	5.6	22.6
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	1 822.4	870.5	798.9	86.1	40.5	5.5	21.0
NEW STRUCTURES AND ADDITIONS TO PLANT ..... DO	545.1	227.5	252.3	41.9	11.4	2.0	10.0
NEW MACHINERY AND EQUIPMENT ..... DO	1 277.3	643.0	546.6	44.2	29.1	3.5	11.0
USED PLANT AND EQUIPMENT ..... DO	129.7	38.5	82.8	5.4	1.3	.1	1.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

MOTOR VEHICLES AND EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3711--Motor Vehicles
3713--Truck and Bus Bodies
3714--Motor Vehicle Parts and Accessories
3715--Truck Trailers (Full)

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3711--MOTOR VEHICLES

This industry comprises establishments primarily engaged in manufacturing or assembling complete passenger automobiles, trucks, commercial cars and busses (except trackless trolleys--industry 3742), special purpose motor vehicles and passenger car bodies (SIC 3712). Such establishments may also manufacture motor vehicle parts, but establishments primarily engaged in manufacturing motor vehicle parts and which are not engaged in manufacturing complete motor vehicles are classified in industry 3714. Establishments primarily engaged in manufacturing truck and bus bodies and assembling them on purchased chassis are classified in industry 3713; motorcycles in industry 3751; wheel tractors, except contractors' off-highway types, in industry 3522; tracklaying and contractors' off-highway tractors in industry 3531; and combat tanks in industry 1931. For a detailed list of products of industry 3711, refer to table 6A, product codes 3711111 to 3711511.

Prior to 1967, tabulation of data for the automotive industry was based on use of census code 3717. For 1967 data were collected based on the classification of establishments as defined in the 1967 edition of the Standard Industrial Classification (SIC) Manual. An exception is made in this report in that SIC 3711 and SIC 3712 have been combined.

Value of shipments and other receipts of the Motor Vehicles Industry in 1967 totaled $27,296 million. This included shipments of motor vehicles (primary products), valued at $25,832 million, shipments of other products (secondary products) valued at $1,045 million, and miscellaneous receipts (mainly products bought and resold) of $419 million.

This industry's shipments of motor vehicles (primary products) in 1967 represented 96 percent (specialization ratio) of its total product shipments (primary and secondary). Secondary products shipped by this industry in 1967 consisted mainly of motor vehicle parts and accessories ($753 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 79 percent of the total industry shipments are represented by plants specializing in product class 37111, Passenger Cars.

Industry 3711 shipments of motor vehicles (primary products) in 1967 represented over 99 percent (coverage ratio) of these products valued at $25,922 million shipped by all industries.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3711, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3713--TRUCK AND BUS BODIES

This industry comprises establishments primarily engaged in manufacturing truck and bus bodies, for sale separately or for assembly on purchased chassis. Establishments primarily engaged in manufacturing complete trucks and busses are classified in industry 3711, and stamped body parts for trucks and busses in industry 3461. For a detailed list of products of industry 3713, refer to table 6A, product codes 3713012 to 3713099.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Truck and Bus Bodies Industry in 1967 totaled $706 million. This included shipments of truck and bus bodies (primary products), valued at $549 million, shipments of other products (secondary products) valued at $99 million, and miscellaneous receipts (mainly products bought and resold) of $59 million.

This industry's shipments of truck and bus bodies (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 consisted mainly of truck trailers ($25 million), and motor vehicle parts and accessories ($25 million).

Industry 3713 shipments of truck and bus bodies (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $595 million shipped by all industries. In 1963, the coverage ratio was 86 percent. Other industries shipping truck and bus bodies (primary products) included industry 3715, Truck Trailers,$12 million; and industry 3711, Motor Vehicles,$70 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3713, these establishments accounted for 2 percent of payroll and 2 percent of value added by manufacture.

3714--MOTOR VEHICLE PARTS AND ACCESSORIES

This industry comprises establishments primarily engaged in manufacturing motor vehicle parts and accessories, but not engaged in manufacturing complete motor vehicles. Establishments primarily engaged in manufacturing or assembling complete automobiles and trucks are classified in industry 3711, tires and tubes in industry 3011, automobile glass in Major Group 32, automobile stampings in industry 3461, vehicular lighting equipment in industry 3642, ignition systems in industry 3694, and storage batteries in industry 3691. For a detailed list of products of industry 3714, refer to table 6A, product codes 3714111 to 3714398.

Prior to 1967, tabulation of data for the automotive industry was based on use of census code 3717. For 1967 data were collected based on the classification of establishments as defined in the 1967 edition of the Standard Industrial Classification (SIC) Manual.

Value of shipments and other receipts of the Motor Vehicle Parts and Accessories Industry in 1967 totaled $11,624 million. This included shipments of motor vehicle parts and accessories (primary products), valued at $10,320 million, shipments of other products (secondary products) valued at $1,122 million, and miscellaneous receipts of $18 million.

This industry's shipments of motor vehicles parts and accessories (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). Secondary products shipped by this industry in 1967 included internal combustion engines, n.e.c. ($87 million).

Industry 3714 shipments of motor vehicles parts and accessories (primary products) in 1967 represented 88 percent (coverage ratio) of these products valued at $11,735 million shipped by all industries. Other industries shipping motor vehicle parts and accessories (primary products) consisted mainly of industry 3711, Motor Vehicles,$753 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3714, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

3715--TRUCK TRAILERS (FULL)

This industry comprises establishments primarily engaged in manufacturing truck trailers and truck trailer chassis for sale separately, but not engaged in manufacturing complete trucks and busses. For a detailed list of products of industry 3715, refer to table 6A, product codes 3715003 to 3715055.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Truck Trailers Industry in 1967 totaled $714 million. This included shipments of truck trailers (primary products), valued at $642 million, shipments of other products (secondary products) valued at $40 million, and miscellaneous receipts of $32 million.

This industry's shipments of truck trailers (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 92 percent. Secondary products shipped by this industry in 1967 included truck and bus bodies ($12 million).

Industry 3715 shipments of truck trailers (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $702 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries shipping truck trailers (primary products) included industry 3713, Truck and Bus Bodies,$25 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3715, these establishments accounted for less than 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3711.--MOTOR VEHICLES (INCLUDING SIC 3712)[1]													
1967 Census....	181	130	321.2	2,699.9	262.3	524.4	2,098.4	7,353.6	19,964.7	27,296.0	263.2	1,802.3	96	99
	INDUSTRY 3713.--TRUCK AND BUS BODIES													
1967 Census....	641	258	30.4	192.2	24.6	49.4	138.5	331.7	376.4	706.1	13.0	126.9	85	92
1966 ASM[2].....	(NA)	(NA)	31.6	191.1	25.8	53.7	139.8	322.3	409.7	718.6	38.5	128.4	(NA)	(NA)
1965 ASM[2].....	(NA)	(NA)	28.0	164.8	22.5	47.3	120.7	273.2	300.9	569.8	10.1	97.5	(NA)	(NA)
1964 ASM[2].....	(NA)	(NA)	26.0	143.8	20.8	42.3	103.7	243.1	273.9	507.6	10.6	90.5	(NA)	(NA)
1963 Census....	610	208	24.5	133.3	19.7	40.9	98.4	229.5	250.2	476.7	6.6	74.3	88	86
1962 ASM[2].....	(NA)	(NA)	25.1	131.7	19.7	41.2	94.4	200.3	317.9	504.0	*6.9	92.0	(NA)	(NA)
1961 ASM[2].....	(NA)	(NA)	23.2	115.6	18.3	36.6	80.9	160.3	216.9	374.1	33.8	69.0	(NA)	(NA)
1960 ASM[2].....	(NA)	(NA)	24.2	120.1	21.2	37.7	87.5	172.7	223.7	394.8	(S)	68.5	(NA)	(NA)
1959 ASM[2].....	(NA)	(NA)	22.8	108.9	18.0	35.7	78.0	157.6	207.5	362.8	(S)	67.3	(NA)	(NA)
1958 Census[3]...	562	187	20.0	91.4	15.9	30.7	65.4	145.6	163.7	307.8	3.6	61.2	87	87
	INDUSTRY 3714.--MOTOR VEHICLE PARTS AND ACCESSORIES[1]													
1967 Census...	1,674	785	364.9	2,890.7	300.3	609.0	2,244.4	5,712.0	5,943.1	11,623.8	572.0	1,468.5	90	88
	INDUSTRY 3711 AND 3714.--MOTOR VEHICLES AND PARTS (PREVIOUSLY IDENTIFIED AS CENSUS CODE 3717, REVISED)[5]													
1967 Census...	1,855	915	686.1	5,590.6	562.6	1,133.4	4,342.8	13,065.6	[4]25,907.8	[4]38,919.8	835.2	3,270.8	(NA)	(NA)
1966 ASM[2].....	(NA)	(NA)	738.2	5,965.4	614.8	1,298.0	4,734.8	14,476.6	[4]29,308.0	[4]43,541.0	1,001.7	3,230.3	(NA)	(NA)
1965 ASM[2].....	(NA)	(NA)	715.7	5,779.0	595.3	1,311.0	4,584.7	14,691.3	[4]29,387.6	[4]43,901.7	1,060.0	3,078.4	(NA)	(NA)
1964 ASM[2].....	(NA)	(NA)	628.6	4,818.5	517.5	1,122.9	3,767.1	11,975.3	[4]23,644.9	[4]35,459.6	794.6	2,721.3	(NA)	(NA)
1963 ASM[2].....	1,942	893	599.9	4,495.1	493.9	1,098.1	3,547.3	11,433.9	[4]22,954.0	[4]34,333.8	602.7	2,318.7	97	98
	INDUSTRY 3711 AND 3714.--MOTOR VEHICLES AND PARTS (PREVIOUSLY IDENTIFIED AS CENSUS CODE 3717, UNREVISED)[5]													
1966 ASM[2].....	(NA)	(NA)	800.2	6,552.6	667.7	1,412.7	5,167.1	15,507.6	[4]30,466.2	[4]45,767.8	1,118.7	3,461.3	(NA)	(NA)
1965 ASM[2].....	(NA)	(NA)	775.5	6,347.1	646.1	1,426.8	5,049.1	15,868.7	[4]30,591.5	[4]46,292.9	1,232.5	3,296.2	(NA)	(NA)
1964 ASM[2].....	(NA)	(NA)	681.7	5,306.8	562.3	1,226.4	4,165.2	13,071.3	[4]24,627.6	[4]37,462.7	878.9	2,948.9	(NA)	(NA)
1963 Census...	1,958	909	649.9	4,947.3	535.8	1,192.6	3,889.6	12,345.6	[4]23,889.4	[4]36,181.0	643.6	2,470.8	97	98
1962 ASM[2].....	(NA)	(NA)	628.4	4,465.4	517.2	1,110.2	3,484.0	11,110.9	[4]21,573.8	[4]32,673.8	492.2	2,261.4	(NA)	(NA)
1961 ASM[2].....	(NA)	(NA)	569.6	3,780.0	460.3	945.1	2,881.5	8,541.7	[4]17,199.0	[4]25,847.7	381.6	2,062.3	(NA)	(NA)
1960 ASM[2].....	(NA)	(NA)	658.1	4,319.9	540.8	1,131.5	3,378.3	9,717.4	[4]20,312.6	[4]30,110.1	462.4	2,061.3	(NA)	(NA)
1959 ASM[2].....	(NA)	(NA)	599.9	3,914.5	489.4	1,058.0	3,019.1	8,915.4	[4]17,913.7	[4]26,712.8	386.6	2,170.0	(NA)	(NA)
1958 Census[3]..	1,560	753	546.0	3,169.2	434.0	858.4	2,374.4	6,504.5	[4]14,189.0	[4]20,830.1	334.1	1,780.2	96	99
	INDUSTRY 3715.--TRUCK TRAILERS													
1967 Census....	179	108	22.9	147.1	18.3	35.5	105.1	268.8	445.8	713.9	22.3	129.7	94	91
1966 ASM[2].....	(NA)	(NA)	28.1	175.2	22.9	44.9	129.3	314.4	487.9	795.6	25.5	139.7	(NA)	(NA)
1965 ASM[2].....	(NA)	(NA)	24.1	150.1	19.5	39.6	111.3	268.4	425.6	690.4	7.6	124.6	(NA)	(NA)
1964 ASM[2].....	(NA)	(NA)	21.8	129.4	17.3	34.4	94.7	231.4	360.1	588.4	13.8	99.2	(NA)	(NA)
1963 Census....	197	105	19.4	112.9	15.5	30.9	81.7	205.5	309.5	515.7	5.3	82.1	92	93
1962 ASM[2].....	(NA)	(NA)	20.2	117.3	15.8	31.8	83.0	218.5	325.6	543.8	6.1	89.0	(NA)	(NA)
1961 ASM[2].....	(NA)	(NA)	17.2	94.3	13.3	26.3	65.8	158.1	247.2	405.7	10.2	87.4	(NA)	(NA)
1960 ASM[2].....	(NA)	(NA)	18.9	101.6	14.7	29.6	72.7	170.1	267.8	438.5	7.9	78.2	(NA)	(NA)
1959 ASM[2].....	(NA)	(NA)	20.6	107.1	16.7	35.4	78.0	203.2	305.0	505.4	*10.3	96.2	(NA)	(NA)
1958 Census[3]...	170	93	15.7	78.1	12.1	24.6	55.4	131.1	206.3	334.7	5.1	80.2	84	93

Note: In 1967, 1963, and 1958, the number of companies in industry 3711 was 107, and respectively; in industry 3713: 620, 594, and 550; industry 3714: 1424, and industry 3715: 147, 175, and 154. In 1963 and 1958, the number of companies in industry 3717 (for 1967, codes 3711 and 3714) was 1,655, and 1,257. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

(*) These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]The combined data for industries 3711 and 3714 for 1967 are not strictly comparable with the data for industry 3717 as published in the 1967 preliminary report Series MC67(P)-1, General Statistics for Industry Groups and Industries, because some metal stampings plants were included in the preliminary report. Also, it does not reflect some company reorganization changes.

[2]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[3]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[4]Includes extensive duplication arising from shipments between establishments in the same industry classification.

[5]Data for 1963 to 1966 have been revised by the exclusion of automotive stamping plants operated by automobile producing companies. As a result of this revision, these plants are now classified in the metals stampings industry. The data shown including such plants (unrevised) for the years 1958 to 1966 are as previously published for this industry. The area data for prior years have not been revised on a basis comparable to 1967 but are shown in table 2 on the unrevised basis.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3711.--MOTOR VEHICLES (INCLUDING SIC 3712)								
1967 Census	8,406	82	1,999	4.00	.73	.83	22,894	37	14.02
	INDUSTRY 3713.--TRUCK AND BUS BODIES								
1967 Census	6,322	81	2,008	2.80	.53	.81	10,911	58	6.71
1966 ASM	6,042	81	2,084	2.60	.57	.84	10,191	59	6.00
1965 ASM	5,879	80	2,098	2.55	.53	.82	9,747	60	5.78
1964 ASM	5,532	80	2,031	2.45	.54	.82	9,353	59	5.74
1963 Census	5,448	81	2,073	2.41	.52	.80	9,379	58	5.61
1962 ASM	5,255	79	2,090	2.29	.63	.89	7,991	66	4.86
1961 ASM	4,973	79	2,003	2.21	.58	.89	6,900	72	4.38
1960 ASM	4,955	87	1,780	2.32	.57	.87	7,123	70	4.58
1959 ASM	4,773	79	1,982	2.19	.57	.87	6,907	69	4.42
1958 Census	4,567	80	1,929	2.13	.53	.83	7,277	63	4.74
	INDUSTRY 3714.--MOTOR VEHICLE PARTS AND ACCESSORIES								
1967 Census	7,921	82	2,028	3.69	.51	.76	15,654	51	9.38
	INDUSTRY 3715.--TRUCK TRAILERS								
1967 Census	6,423	80	1,940	2.93	.62	.83	11,738	55	7.57
1966 ASM	6,240	81	1,965	2.88	.62	.84	11,196	56	7.00
1965 ASM	6,238	81	2,036	2.81	.62	.83	11,159	56	6.77
1964 ASM	5,937	80	1,982	2.75	.61	.83	10,620	56	6.73
1963 Census	5,810	80	1,999	2.64	.60	.82	10,576	55	6.65
1962 ASM	5,807	78	2,008	2.61	.60	.81	10,814	54	6.87
1961 ASM	5,479	77	1,982	2.50	.61	.84	9,187	60	6.02
1960 ASM	5,387	78	2,008	2.46	.61	.84	9,022	60	5.75
1959 ASM	5,195	81	2,120	2.20	.60	.82	9,853	53	5.74
1958 Census	4,987	77	2,032	2.25	.62	.85	8,369	60	5.34

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)				
	1967										
3711-- MOTOR VEHICLES											
UNITED STATES	181	130	321.2	2 699.9	262.3	524.4	2 098.4	7 353.6	19 964.7	27 296.0	263.2
NORTHEAST REGION	25	18	25.5	210.2	20.2	40.6	160.4	689.6	1 725.0	2 411.3	12.0
NEW ENGLAND DIVISION	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	16	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW JERSEY	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PENNSYLVANIA	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CENTRAL REGION	93	76	237.0	2 010.0	193.8	390.1	1 567.3	5 160.4	13 902.9	19 057.5	192.2
EAST NORTH CENTRAL DIVISION	74	62	206.3	1 755.7	168.2	339.6	1 366.0	4 360.6	11 553.6	15 931.5	171.6
OHIO	20	14	30.1	236.2	24.0	47.9	183.3	574.0	1 778.4	2 358.5	20.6
INDIANA	6	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MICHIGAN	32	31	140.8	1 251.0	115.5	238.6	977.1	3 032.7	7 769.6	10 824.1	137.0
WISCONSIN	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D
WEST NORTH CENTRAL DIVISION	19	14	30.7	254.3	25.7	50.5	201.3	799.9	2 349.3	3 126.0	20.6
MINNESOTA	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KANSAS	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH REGION	30	14	34.1	282.0	28.4	55.1	221.6	963.7	2 702.5	3 665.1	31.4
SOUTH ATLANTIC DIVISION	15	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
DELAWARE	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	11	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION	33	22	24.8	197.6	20.0	38.5	149.1	539.9	1 634.4	2 162.0	27.6
PACIFIC DIVISION	31	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OREGON	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	27	19	22.9	184.1	18.7	35.9	140.0	515.4	1 569.8	2 071.7	(D)
3714-- MOTOR VEHICLE PARTS & ACCESSORIES											
UNITED STATES	1 674	785	364.9	2 890.7	300.3	609.0	2 244.4	5 712.0	5 943.1	11 623.8	572.0
NORTHEAST REGION	252	114	45.9	355.6	37.3	75.6	275.6	746.0	744.2	1 487.3	51.1
NEW ENGLAND DIVISION	54	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW HAMPSHIRE	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	29	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
RHODE ISLAND	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	12	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	198	92	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	96	39	29.5	242.1	24.4	49.4	192.0	509.3	527.2	1 036.4	39.6
NEW JERSEY	46	20	3.0	19.3	1.9	3.9	11.2	44.0	45.6	88.8	2.5
PENNSYLVANIA	56	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CENTRAL REGION	761	436	287.9	2 348.4	237.8	481.4	1 833.5	4 568.8	4 814.8	9 360.8	488.8
EAST NORTH CENTRAL DIVISION	642	390	277.9	2 287.7	229.9	465.4	1 791.1	4 465.2	4 706.8	9 139.1	481.7
OHIO	147	92	67.1	545.4	56.4	111.7	433.6	1 052.4	1 073.3	2 117.2	121.8
INDIANA	86	61	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	114	53	12.1	81.7	9.7	19.6	57.4	164.2	152.5	316.1	7.7
MICHIGAN	260	171	149.8	1 280.4	123.5	252.5	1 002.2	2 508.0	2 753.0	5 250.7	295.7
WISCONSIN	35	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST NORTH CENTRAL DIVISION	119	46	9.9	60.7	7.9	16.0	42.5	103.5	108.0	221.7	7.1
MINNESOTA	36	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	17	8	1.0	5.5	.8	1.8	4.2	14.2	16.4	30.6	1.0
MISSOURI	40	21	6.2	39.7	4.8	9.6	26.7	47.7	63.6	121.0	3.9
NEBRASKA	6	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KANSAS	14	2	.3	1.6	.2	.4	1.1	3.0	3.0	6.3	.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)				
	1967–Continued										
3714--MOTOR VEHICLE PARTS AND ACCESSORIES--CONTINUED											
SOUTH REGION	312	117	22.8	132.2	18.6	38.5	97.6	298.4	271.6	566.3	24.2
SOUTH ATLANTIC DIVISION	122	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
DELAWARE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	18	7	2.0	10.3	1.7	3.5	7.5	26.5	18.5	43.9	1.2
SOUTH CAROLINA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	32	14	1.7	8.8	1.5	3.1	7.3	30.7	17.1	47.8	.9
FLORIDA	47	7	.4	2.3	.3	.6	1.7	5.2	4.8	9.8	.6
EAST SOUTH CENTRAL DIVISION	63	44	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	12	9	1.7	10.1	1.4	2.7	8.3	19.9	24.8	43.8	.9
TENNESSEE	27	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	16	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSISSIPPI	8	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	128	35	3.8	22.6	3.0	6.2	13.9	42.7	51.6	92.1	2.3
ARKANSAS	17	3	.3	1.2	.2	.5	1.0	2.4	4.6	7.0	.1
OKLAHOMA	24	6	1.4	9.1	1.1	2.3	4.8	18.2	17.1	34.7	.4
TEXAS	74	24	2.0	11.6	1.6	3.3	7.8	21.0	28.4	47.7	1.7
WEST REGION	348	117	8.1	53.3	6.5	13.0	36.9	97.9	108.6	204.4	7.9
MOUNTAIN DIVISION	51	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	24	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
UTAH	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	297	103	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	18	2	.2	1.7	.2	.4	1.3	3.4	2.3	5.7	.1
OREGON	15	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	262	97	6.4	42.8	5.1	10.3	29.6	76.6	89.7	164.3	6.6
	1963										
INDUSTRIES 3711 AND 3714.--MOTOR VEHICLES AND PARTS[3]											
UNITED STATES, TOTAL	1 958	909	649.9	4 947.3	535.8	1 192.6	3 889.6	12 345.6	[3]23 889.4	[3]36 181.0	643.6
NEW ENGLAND DIVISION	67	24	7.2	45.7	5.7	12.5	32.9	118.6	240.0	353.8	4.7
CONNECTICUT	17	8	3.7	21.9	2.9	5.6	14.8	36.1	42.0	72.9	1.4
MIDDLE ATLANTIC DIVISION	215	97	64.1	493.2	51.3	115.0	378.7	1 167.9	2 362.6	3 521.3	63.6
NEW YORK	95	44	38.4	296.8	31.1	70.4	232.0	625.3	1 118.1	1 740.3	38.4
EAST NORTH CENTRAL DIVISION	799	476	479.4	3 672.1	398.2	877.3	2 912.5	8 460.9	14 769.4	23 193.4	436.3
OHIO	180	121	105.2	792.2	87.4	190.7	631.2	1 820.7	2 813.1	4 632.9	78.4
INDIANA	108	67	57.0	394.7	46.8	95.1	304.8	734.9	982.7	1 730.3	34.6
MICHIGAN	333	200	261.2	2 087.4	215.7	488.8	1 649.9	4 881.3	9 041.2	13 879.4	287.4
WEST NORTH CENTRAL DIVISION	115	53	29.5	229.8	24.4	57.4	179.9	853.3	2 242.3	3 095.8	37.7
IOWA	17	8	0.5	2.7	0.5	1.0	2.1	7.3	7.0	14.1	0.5
SOUTH ATLANTIC DIVISION	140	48	25.6	199.2	20.8	49.9	154.8	724.2	1 871.7	2 588.3	21.8
NORTH CAROLINA	20	4	1.1	4.7	0.9	1.8	3.5	11.2	8.1	18.9	1.2
FLORIDA	42	5	0.4	1.6	0.3	0.6	1.2	2.7	2.8	5.5	1.7
EAST SOUTH CENTRAL DIVISION	62	42	9.9	58.0	8.1	17.9	42.2	252.7	347.8	597.5	9.7
ALABAMA	12	6	0.8	4.1	0.8	1.6	3.2	8.5	8.8	17.1	0.4
MISSISSIPPI	8	7	1.5	7.0	1.2	2.6	4.7	16.4	12.9	27.6	1.0
WEST SOUTH CENTRAL DIVISION	153	46	7.6	52.8	6.2	15.2	40.3	189.5	404.9	592.3	10.6
OKLAHOMA	27	7	1.2	6.2	1.0	2.2	4.7	17.3	9.2	25.3	4.7
MOUNTAIN DIVISION	63	13	1.0	5.1	0.8	1.6	3.6	9.6	9.2	17.4	1.7
COLORADO	25	10	0.7	3.7	0.5	1.0	2.5	7.3	6.5	12.5	(D)
PACIFIC DIVISION	344	110	25.6	191.3	20.2	46.0	144.8	568.9	1 641.6	2 221.3	57.4
CALIFORNIA	307	102	23.2	176.0	18.5	42.6	133.9	541.2	1 586.1	2 138.6	55.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3713-- TRUCK AND BUS BODIES													
UNITED STATES	641	258	30.4	192.2	24.6	49.4	138.5	331.7	376.4	706.1	13.0	24.5	229.5
NORTHEAST REGION	149	51	4.1	24.5	3.4	6.7	17.7	38.6	48.6	86.3	1.5	3.8	29.4
NEW ENGLAND DIVISION	36	9	.6	3.7	.5	.9	2.6	6.2	8.9	14.6	.1	.4	3.5
MASSACHUSETTS[e]	17	7	.4	2.3	.3	.6	1.6	3.6	5.9	9.4	.1	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	113	42	3.5	20.7	2.9	5.7	15.1	32.4	39.7	71.7	1.4	3.4	25.9
NEW YORK	40	13	1.0	5.9	.8	1.6	4.2	8.3	11.7	19.9	.8	1.1	8.4
NEW JERSEY	24	7	.5	3.4	.5	.9	2.5	4.9	6.9	12.0	.1	.6	4.8
PENNSYLVANIA	49	22	2.0	11.5	1.6	3.2	8.4	19.2	21.0	39.8	.5	1.7	12.8
NORTH CENTRAL REGION	207	104	15.6	105.2	12.5	25.2	76.1	184.8	195.9	380.6	7.1	12.9	125.5
EAST NORTH CENTRAL DIVISION	129	68	12.9	88.3	10.3	20.8	64.4	159.0	159.4	318.1	6.2	10.9	106.7
OHIO	36	24	5.8	39.1	4.6	9.2	28.3	67.7	68.2	135.3	2.6	[2](D)	[2](D)
INDIANA	27	12	2.6	17.2	2.1	4.4	13.1	34.0	32.3	66.8	.8	[2](D)	[2](D)
ILLINOIS	28	17	1.6	10.7	1.3	2.7	7.6	16.6	21.3	38.2	.9	1.0	8.5
MICHIGAN	24	9	1.0	6.7	.8	1.6	4.5	15.8	13.1	29.1	.3	2.0	20.8
WISCONSIN	14	6	1.9	14.7	1.6	3.0	10.9	24.9	24.4	48.7	1.5	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	78	36	2.7	16.8	2.2	4.5	11.8	25.8	36.6	62.5	.9	2.0	18.8
MINNESOTA	16	9	.4	2.7	.3	.5	1.7	4.2	7.1	11.3	.1	.3	3.1
IOWA	14	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.8
MISSOURI	32	17	1.5	9.6	1.2	2.4	6.6	14.4	19.4	34.3	.3	1.1	11.9
KANSAS	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	162	59	7.5	39.8	6.1	12.3	28.9	70.2	88.5	158.7	3.2	5.0	43.8
SOUTH ATLANTIC DIVISION	74	27	3.6	19.2	2.9	5.7	13.7	32.3	39.5	72.0	1.1	2.8	22.3
MARYLAND	10	3	.2	1.0	.1	.3	.8	1.5	2.6	4.0	.1	.2	1.0
VIRGINIA	12	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.1
NORTH CAROLINA	15	8	1.3	7.1	1.1	2.2	5.1	13.3	13.2	26.5	.2	[2](D)	[2](D)
GEORGIA	14	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	5.8
FLORIDA[e]	13	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	39	16	2.2	12.3	1.9	3.7	8.9	22.1	28.7	50.8	(D)	1.2	12.5
TENNESSEE	12	5	.9	5.0	.7	1.4	3.3	9.2	8.9	18.4	.3	[2](D)	[2](D)
ALABAMA	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.6
MISSISSIPPI	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	49	16	1.7	8.3	1.4	2.8	6.3	15.8	20.4	36.0	(D)	1.0	9.0
ARKANSAS	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	29	11	.9	4.6	.7	1.4	3.5	9.0	11.6	20.5	.2	.5	5.3
WEST REGION	123	44	3.3	22.8	2.6	5.2	15.8	38.1	43.4	80.5	1.2	2.8	30.6
MOUNTAIN DIVISION	17	3	.2	1.3	.2	.3	.8	2.0	2.0	4.0	.1	.2	1.3
PACIFIC DIVISION	106	41	3.1	21.5	2.4	4.9	14.9	36.1	41.3	76.5	1.1	2.6	29.3
WASHINGTON	11	5	.2	1.7	.2	.3	1.2	2.5	3.7	6.3	(D)	.2	2.2
OREGON	11	5	.3	2.0	.2	.4	1.5	3.0	3.5	6.5	.1	.3	3.4
CALIFORNIA	84	31	2.6	17.9	2.0	4.1	12.2	30.6	34.0	63.6	(D)	2.2	23.7
3715-- TRUCK TRAILERS													
UNITED STATES	179	108	22.9	147.1	18.3	35.5	105.5	268.8	445.8	713.9	22.3	19.4	205.5
NORTHEAST REGION	30	22	5.2	33.8	4.2	7.9	23.8	80.1	110.8	191.6	9.0	4.0	40.3
MIDDLE ATLANTIC DIVISION	27	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.9	39.6
NEW JERSEY	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	.8
PENNSYLVANIA	21	18	4.8	31.7	3.8	7.1	22.2	76.6	105.7	183.0	(D)	3.6	36.8
NORTH CENTRAL REGION	60	35	8.9	59.5	7.1	13.6	43.2	100.0	173.2	273.5	10.1	8.3	98.1
EAST NORTH CENTRAL DIVISION	39	23	6.2	43.1	5.0	9.5	31.9	69.4	123.2	193.0	5.0	6.0	75.2
OHIO	14	8	3.0	20.5	2.4	4.3	15.3	30.2	57.2	88.9	.9	[2](D)	[2](D)
INDIANA	8	7	1.7	11.4	1.3	2.7	8.7	18.6	39.0	57.3	.6	[2](D)	[2](D)
ILLINOIS	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	7	2	.2	1.3	.1	.3	.9	2.1	1.7	3.8	(Z)	.2	2.2
WISCONSIN	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	21	12	2.7	16.4	2.1	4.1	11.4	30.6	50.0	80.5	5.1	2.2	21.7
MINNESOTA	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	4	4	.7	4.2	.5	1.1	2.8	8.7	12.3	20.7	4.5	.4	4.1
MISSOURI	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEBRASKA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	47	29	6.3	36.1	5.1	10.3	25.8	60.8	111.9	172.3	2.5	4.6	39.8
SOUTH ATLANTIC DIVISION	15	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	4.4
GEORGIA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	5	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	11	7	2.1	12.3	1.7	3.4	9.1	22.0	38.7	61.0	.6	1.6	14.9
KENTUCKY	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3715-- TRUCK TRAILERS--CONTINUED													
WEST SOUTH CENTRAL DIVISION	21	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	20.4
LOUISIANA	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	4	3	.4	2.3	.3	.6	1.5	.7	7.7	8.3	.1	(D)	(D)
TEXAS	13	9	2.0	11.0	1.6	3.1	7.7	21.0	35.8	57.0	(D)	[2](D)	[2](D)
WEST REGION	42	22	2.4	17.7	1.9	3.8	12.2	27.9	49.9	76.6	.6	2.7	28.5
MOUNTAIN DIVISION	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	3.8
COLORADO	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	38	20	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	24.7
WASHINGTON	6	5	.3	2.2	.2	.5	1.5	3.7	4.8	8.7	.1	[2](D)	[2](D)
OREGON	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.7
CALIFORNIA	24	11	1.4	10.3	1.0	2.1	7.0	16.4	28.4	44.9	.3	1.6	18.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated.

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]Data for 1963 are not comparable to the 1967 information. (See footnote 1, table 1.)

[3]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 3. Detailed Statistics: 1967

Item	Motor vehicles (SIC 3711 and 3712)	Truck and bus bodies (SIC 3713)	Motor vehicle parts and accessories (SIC 3714)	Truck trailers (SIC 3715)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.96	.85	.96	.94
COVERAGE RATIO[2]	.99	.92	.88	.91
ESTABLISHMENTS, TOTAL ..... NUMBER	181	641	1 674	179
WITH 1 TO 19 EMPLOYEES ..... DO	51	383	889	71
WITH 20 TO 99 EMPLOYEES ..... DO	27	193	410	54
WITH 100 EMPLOYEES OR MORE ..... DO	103	65	375	54
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	321.2	30.4	364.9	22.9
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	2 699.9	192.2	2 890.7	147.1
				18.6
PRODUCTION WORKERS:				
AVERAGE FOR YEAR 1,000	262.3	24.6	300.3	18.3
MARCH ..... DO	274.4	24.8	296.9	18.6
MAY ..... DO	274.9	25.3	296.9	17.9
AUGUST ..... DO	223.2	25.4	300.8	18.7
NOVEMBER ..... DO	276.8	23.1	306.6	17.8
MAN-HOURS ..... MILLIONS	524.4	49.4	609.0	35.5
JANUARY-MARCH ..... DO	128.0	12.4	154.4	9.3
APRIL-JUNE ..... DO	138.3	12.7	154.8	8.8
JULY-SEPTEMBER ..... DO	115.6	12.4	143.7	8.8
OCTOBER-DECEMBER ..... DO	142.4	11.9	156.1	8.5
WAGES ..... MILLION DOLLARS	2 098.4	138.5	2 244.4	105.1
COST OF MATERIALS, ETC., TOTAL ..... DO	19 964.7	376.4	5 943.1	445.8
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ..... DO	19 505.7	338.0	5 727.6	427.6
COST OF RESALES ..... DO	349.3	27.4	65.6	11.3
FUELS CONSUMED ..... DO	49.2	2.3	40.6	1.5
PURCHASED ELECTRIC ENERGY ..... DO	56.0	3.3	69.2	2.1
CONTRACT WORK ..... DO	4.5	5.5	40.1	3.3
VALUE OF SHIPMENTS, INCLUDING RESALES ..... DO	27 296.0	706.1	11 623.8	713.9
VALUE OF RESALES ..... DO	388.0	31.4	86.6	14.9
VALUE ADDED BY MANUFACTURE ..... DO	7 353.6	331.7	5 712.0	268.8
MANUFACTURERS' INVENTORIES:				
BEGINNING OF YEAR, TOTAL ..... DO	1 773.0	122.0	1 461.0	123.8
FINISHED PRODUCTS ..... DO	274.5	21.9	301.4	17.4
WORK IN PROCESS ..... DO	793.8	47.4	630.5	16.2
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	704.7	52.7	529.0	90.4
END OF YEAR, TOTAL ..... DO	1 802.3	126.9	1 468.5	129.7
FINISHED PRODUCTS ..... DO	277.1	23.9	316.8	17.8
WORK IN PROCESS ..... DO	813.5	47.4	646.4	16.3
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	711.6	55.6	505.2	95.6
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ..... DO	280.2	14.5	592.3	23.0
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	263.2	13.0	572.0	22.3
NEW STRUCTURES AND ADDITIONS TO PLANT ..... DO	74.1	5.3	136.2	11.9
NEW MACHINERY AND EQUIPMENT ..... DO	189.1	7.7	435.8	10.4
USED PLANT AND EQUIPMENT ..... DO	17.0	1.4	20.1	.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3711-- MOTOR VEHICLES											
ESTABLISHMENTS, TOTAL	181	321.2	2 699.9	262.3	524.4	2 098.4	7 353.6	19 964.7	27 296.0	263.2	1 802.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	33	(Z)	.3	(Z)	.1	.3	.8	1.5	2.4	3.0	.3
5 TO 9 EMPLOYEES [e]	6	(Z)	.3	(Z)	.1	.2	.4	.8	1.2	(D)	.2
10 TO 19 EMPLOYEES	12	.2	1.1	.1	.3	.8	2.9	2.9	5.7	(D)	.5
20 TO 49 EMPLOYEES	19	.6	4.0	.4	.9	2.8	6.8	6.3	13.0	.6	1.6
50 TO 99 EMPLOYEES	8	.6	4.3	.5	1.1	3.0	14.0	25.7	38.9	1.4	6.4
100 TO 249 EMPLOYEES	11	1.6	10.5	1.3	2.5	7.3	15.4	37.6	55.8	.5	16.8
250 TO 499 EMPLOYEES	10	3.5	23.2	2.7	5.4	16.4	65.6	139.3	201.9	1.2	35.5
500 TO 999 EMPLOYEES	10	7.5	54.1	5.5	11.2	37.9	85.4	207.2	296.4	5.3	58.9
1,000 TO 2,499 EMPLOYEES	19	31.5	255.4	24.8	50.1	193.1	746.7	2 529.9	3 257.7	36.1	244.2
2,500 EMPLOYEES OR MORE	53	275.6	2 346.7	226.8	452.8	1 836.6	6 415.6	17 013.4	23 422.9	215.2	1 437.9
ESTABS. COVERED BY ADMIN. RECORDS[1]	21	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3713-- TRUCK AND BUS BODIES											
ESTABLISHMENTS, TOTAL	641	30.4	192.2	24.6	49.4	138.5	331.7	376.4	706.1	13.0	126.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	175	.3	1.7	.3	.5	1.4	3.6	3.8	7.3	.7	1.1
5 TO 9 EMPLOYEES [e]	102	.7	3.8	.6	1.1	3.0	6.8	8.2	15.0	(D)	2.0
10 TO 19 EMPLOYEES	106	1.5	8.7	1.2	2.4	6.5	13.8	19.1	32.3	.4	4.3
20 TO 49 EMPLOYEES	125	3.9	24.8	3.1	6.2	17.8	41.8	50.3	91.9	1.7	11.8
50 TO 99 EMPLOYEES	68	4.8	29.6	3.9	8.0	20.9	54.0	63.7	116.7	2.0	16.7
100 TO 249 EMPLOYEES	41	5.9	34.7	4.6	9.5	24.6	54.6	70.1	126.7	2.0	28.1
250 TO 499 EMPLOYEES	12	4.4	26.5	3.7	7.5	19.0	50.0	49.6	98.8	1.4	16.8
500 TO 999 EMPLOYEES	10	8.9	62.5	7.1	14.2	45.3	107.0	111.8	217.3	4.9	46.3
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	220	.7	3.7	.7	1.1	2.9	7.5	8.2	15.8	.2	2.4
3714-- MOTOR VEHICLE PARTS & ACCESSORIES											
ESTABLISHMENTS, TOTAL	1 674	364.9	2 890.8	300.0	609.0	2 244.3	5 712.0	5 943.3	11 623.8	572.0	1 468.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	579	.9	7.0	.9	1.6	5.6	11.2	20.2	31.3	24.3	5.5
5 TO 9 EMPLOYEES [e]	138	.9	6.6	.8	1.5	5.0	11.5	14.1	26.2	2.4	3.9
10 TO 19 EMPLOYEES	172	2.5	15.7	2.0	4.2	11.7	31.3	28.6	59.3	3.1	7.5
20 TO 49 EMPLOYEES	262	8.3	52.7	6.5	13.6	37.0	105.8	100.1	206.2	9.9	27.8
50 TO 99 EMPLOYEES	148	10.6	67.4	8.6	17.7	47.6	141.1	142.2	278.7	16.1	45.0
100 TO 249 EMPLOYEES	153	24.0	145.9	19.6	39.9	106.9	304.2	306.3	601.4	17.5	94.9
250 TO 499 EMPLOYEES	87	30.0	188.3	24.2	49.3	137.3	398.4	375.5	757.5	23.6	148.3
500 TO 999 EMPLOYEES	55	37.6	266.0	31.1	63.9	205.3	568.0	508.0	1 074.5	36.6	187.0
1,000 TO 2,499 EMPLOYEES	40	60.2	500.5	47.7	96.3	379.3	879.4	997.7	1 877.0	108.0	275.2
2,500 EMPLOYEES OR MORE	40	190.0	1 640.6	158.8	321.0	1 308.7	3 260.9	3 450.4	6 711.6	330.4	673.2
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	543	1.0	7.9	1.0	1.8	6.3	11.0	21.1	32.0	5.1	6.3
3715-- TRUCK TRAILERS											
ESTABLISHMENTS, TOTAL	179	22.9	147.1	18.3	35.5	105.1	268.8	445.8	713.9	22.3	129.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	37	.1	.4	.1	.1	.3	.8	1.5	2.4	.2	.3
5 TO 9 EMPLOYEES [e]	17	.1	.8	.1	.2	.6	1.5	2.1	3.6	(D)	.5
10 TO 19 EMPLOYEES	17	.2	1.5	.2	.4	1.1	2.4	3.4	5.7	.1	1.0
20 TO 49 EMPLOYEES	35	1.2	7.2	.9	1.8	5.1	11.7	16.2	27.7	.5	5.0
50 TO 99 EMPLOYEES	19	1.4	9.3	1.1	2.2	6.5	16.7	22.1	37.8	.6	8.2
100 TO 249 EMPLOYEES	24	3.5	22.7	2.7	5.6	15.5	35.2	61.4	97.5	8.8	20.7
250 TO 499 EMPLOYEES	21	7.4	47.7	5.9	11.9	34.5	97.5	173.8	271.0	8.3	49.0
500 TO 999 EMPLOYEES	6	4.3	27.5	3.5	6.9	20.1	49.9	88.2	137.0	2.7	28.0
1,000 TO 2,499 EMPLOYEES	3	4.7	30.0	3.7	6.3	21.6	53.1	77.1	131.3	1.1	17.0
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	34	.1	.6	.1	.2	.4	1.0	1.4	2.4	(Z)	.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e] Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3711	Motor vehicles.....1967..	27,296.0	25,831.7	1,045.1	419.2	96	25,921.6	25,831.7	89.9	99
	1963..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3713	Truck and bus bodies.....1967..	706.1	548.7	98.8	58.6	85	595.4	548.7	46.7	92
	1963..	476.7	362.5	56.2	58.1	88	419.7	362.5	52.3	86
3714	Motor vehicle parts and accessories.....1967..	11,623.8	10,320.4	11,220.3	181.1	90	11,735.2	10,320.4	1,414.8	88
	1963..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3715	Truck trailers.....1967..	713.9	641.7	39.9	32.3	94	702.2	641.7	60.5	91
	1963..	515.7	449.6	39.4	26.7	92	484.7	449.6	35.1	93

Note: See Appendix, Explanation of Terms, for discussion of items.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Motor vehicles (SIC 3711)	Truck and bus bodies (SIC 3713)	Motor vehicle parts and accessories (SIC 3714)	Truck trailers (SIC 3715)	Other industries
	Total shipments and miscellaneous receipts	(X)	27,296.0	706.1	11,623.8	713.9	(X)
3711-	Motor vehicles	25,921.6	25,831.7	12.9	40.0	0.2	36.8
37111	Passenger cars, knocked down as assembled, and chassis for sale separately	19,277.4	19,268.5				
37112	Truck tractors, truck chassis and trucks (chassis of own manufacture)	4,263.7	4,232.1				
37113	Buses (except trolley buses) and fire department vehicles (chassis of own manufacture)	179.8	174.7	(10-20)	(20-50)	0.2	(20-50)
37114	Combat vehicles, wheeled or tracked tactical vehicles or carriers (excluding tanks)	2,160.1	2,124.5				
37115	Passenger car bodies						
37110	Motor vehicles, n.s.k	40.7	31.9	(under 2)	(over 2)	-	(under 2)
37130	Truck and bus bodies, for sale separately (including those made on purchased chassis)	595.4	7.2	548.7	1.9	11.9	25.7
3714-	Motor vehicle parts and accessories	11,735.2	752.6	24.6	10,320.4	5.9	631.7
37141	Parts and accessories for motor vehicles, including kits and rebuilt parts	11,326.9	752.6	24.4	9,925.5	5.9	627.1
37143	Rebuilt engines and parts for motor vehicles (except carburetors)	197.5		-	188.9	-	
37140	Motor vehicle parts and accessories, n.s.k	210.7	-	0.2	206.0	-	4.5
37150	Truck trailers	702.2	(under 2)	24.8	(under 2)	641.7	34.2
	Other product shipments by 4-digit product group						
1929	Ammunition, except for small arms, n.e.c	(X)	-	-	(10-20)	-	(X)
1931-	Tank and tank components	(X)	-	-	(5-10)	-	(X)
1951-	Small arms	(X)	-	-	(over 2)	-	(X)
1999-	Ordnance and accessories, n.e.c	(X)	-	-	5.5	-	(X)
2891-	Adhesives and gelatin	(X)	-	-	(over 2)	-	(X)
2992-	Lubricating oils and greases	(X)	-	-	(over 2)	-	(X)
3231-	Products of purchased glass	(X)	-	-	(over 2)	-	(X)
3321-	Gray iron castings	(X)	(under 2)	-	(50-100)	(under 2)	(X)
3357-	Nonferrous wiredrawing and insulating products	(X)	-	-	(over 2)	-	(X)
3361-	Aluminum castings	(X)	-	-	(2-5)	-	(X)
3362-	Brass, bronze, and copper castings	(X)	-	-	(over 2)	-	(X)
3391-	Iron and steel forgings	(X)	(over 2)	(under 2)	(over 2)	-	(X)
3429-	Hardware, n.e.c	(X)	-	-	6.6	-	(X)
3433-	Heating equipment, except electric	(X)	-	-	(under 2)	(over 2)	(X)
3441-	Fabricated structural steel	(X)	-	-	(2-5)	(under 2)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	-	(under 2)	(10-20)	(under 2)	(X)
3444-	Sheet metalwork	(X)	-	(5-10)	-	(under 2)	(X)
3449-	Miscellaneous metalwork	(X)	(over 2)	-	(over 2)	-	(X)
3451-	Screw machine products	(X)	-	-	10.9	-	(X)
3452-	Bolts, nuts, rivets, and washers	(X)	-	-	(over 2)	-	(X)
3461-	Metal stampings	(X)	(over 2)	2.9	71.1	(under 2)	(X)
3493-	Steel springs	(X)	(over 2)	-	45.1	(under 2)	(X)
3499-	Fabricated metal products, n.e.c	(X)	-	(under 2)	5.8	-	(X)
3519-	Internal combustion engines, n.e.c	(X)	(under 2)	-	87.2	(under 2)	(X)
3522-	Farm machinery	(X)	(10-20)	(under 2)	17.2	(under 2)	(X)
3531-	Construction machinery	(X)	(20-50)	2.6	21.2	(under 2)	(X)
3536-	Hoists, cranes, and monorails	(X)	(under 2)	(5-10)	(under 2)	(under 2)	(X)
3537-	Industrial trucks and tractors	(X)	-	(over 2)	10.0	-	(X)
3541-	Machine tools, metal-cutting types	(X)	-	-	(over 2)	-	(X)
3542-	Machine tools, metal-forming types	(X)	-	-	(2-5)	-	(X)
3544-	Special dies, tools, jigs, and fixtures	(X)	(over 2)	(under 2)	(50-100)	-	(X)
3552-	Textile machinery	(X)	-	-	(over 2)	-	(X)
3566-	Power transmission equipment	(X)	(under 2)	(under 2)	23.3	-	(X)
3567-	Industrial furnaces and ovens	(X)	-	-	(over 2)	-	(X)
3585-	Refrigeration machinery	(X)	(over 2)	(under 2)	(over 2)	(over 2)	(X)
3599-	Miscellaneous machinery, except electrical	(X)	(over 2)	(under 2)	11.7	-	(X)
3621-	Motors and generators	(X)	(over 2)	-	(under 2)	-	(X)
3623-	Welding apparatus	(X)	-	-	(over 2)	-	(X)
3633-	Household laundry equipment	(X)	-	-	3.1	-	(X)
3634-	Electric housewares and fans	(X)	-	-	(10-20)	-	(X)
3635-	Household vacuum cleaners	(X)	-	-	(over 2)	-	(X)
3641-	Electric lamps	(X)	-	-	(over 2)	-	(X)
3643-	Current carrying wiring devices	(X)	-	-	(2-5)	-	(X)
3694-	Engine electrical equipment	(X)	-	-	(100-200)	-	(X)
3722-	Aircraft engines and engine parts	(X)	-	-	32.7	-	(X)
3729-	Aircraft equipment, n.e.c	(X)	-	-	4.2	-	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Motor vehicles	Truck and bus bodies (SIC 3713)	Motor vehicle parts and accessories (SIC 3714)	Truck trailers (SIC 3715)	Other industries
	Other product shipments by 4-digit product group--Continued						
3731-	Ship building and repairing	(X)	-	-	(over 2)	-	(X)
3732-	Boat building and repairing	(X)	-	(under 2)	2.6	(under 2)	(X)
3751-	Motorcycles, bicycles, and parts	(X)	-	-	(5-10)	(under 2)	(X)
3791-	Trailer coaches	(X)	(over 2)	-	-	(under 2)	(X)
3799-	Transportation equipment, n.e.c.	(X)	(over 2)	(2-5)	(under 2)	(over 2)	(X)
3821-	Mechanical measuring devices	(X)	-	-	(over 2)	-	(X)
3822-	Automatic temperature controls	(X)	-	-	(over 2)	-	(X)
3999-	Manufactured products, n.e.c.	(X)	(over 2)	-	(under 2)	-	(X)
	Other secondary products	(X)	285.3	31.0	722.2	21.9	(X)
	Miscellaneous receipts, total	(X)	419.2	58.6	181.1	32.3	(X)
	Contract work	(X)	0.8	2.4	13.3	1.2	(X)
	Receipts for installation	(X)	(under 2)	2.1	0.4	0.2	(X)
	Receipts for repair work	(X)	4.0	17.4	4.4	9.0	(X)
	Receipts for research and development work	(X)	(over 2)	(under 2)	0.3	(Z)	(X)
	Sales of scrap and refuse	(X)	22.7	1.7	72.5	1.6	(X)
	Products bought and resold	(X)	388.0	31.4	86.6	14.9	(X)
	Other miscellaneous receipts	(X)	0.7	(over 2)	3.4	5.5	(X)
	Listing of other industries with over $2 million shipments of the primary products						
3711-	1931 Tanks and tank components	(X)	(X)	(X)	(X)	(X)	(10-20)
	3519 Internal combustion engines, n.e.c.	(X)	(X)	(X)	(X)	(X)	(2-5)
	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	(10-20)
3713-	3461 Metal stampings	(X)	(X)	(X)	(X)	(X)	(2-5)
	3522 Farm Machinery	(X)	(X)	(X)	(X)	(X)	(2-5)
	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	2.9
	3536 Hoists, cranes, and monorails	(X)	(X)	(X)	(X)	(X)	(5-10)
	3537 Industrial trucks and tractors	(X)	(X)	(X)	(X)	(X)	(2-5)
3714-	1951 Small arms	(X)	(X)	(X)	(X)	(X)	(over 2)
	2432 Veneer and plywood	(X)	(X)	(X)	(X)	(X)	(over 2)
	2499 Wood products, n.e.c.	(X)	(X)	(X)	(X)	(X)	(over 2)
	3011 Tires and inner tubes	(X)	(X)	(X)	(X)	(X)	(over 2)
	3069 Fabricated rubber products, n.e.c.	(X)	(X)	(X)	(X)	(X)	(10-20)
	3079 Miscellaneous plastics products	(X)	(X)	(X)	(X)	(X)	(over 2)
	3321 Gray iron castings	(X)	(X)	(X)	(X)	(X)	(over 2)
	3323 Steel castings	(X)	(X)	(X)	(X)	(X)	(over 2)
	3391 Iron and steel forgings	(X)	(X)	(X)	(X)	(X)	(over 2)
	3429 Hardware, n.e.c.	(X)	(X)	(X)	(X)	(X)	(over 2)
	3443 Fabricated platework (boiler shop products)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3461 Metal stampings	(X)	(X)	(X)	(X)	(X)	3.2
	3493 Steel springs	(X)	(X)	(X)	(X)	(X)	(2-5)
	3494 Valves and pipe fittings	(X)	(X)	(X)	(X)	(X)	(over 2)
	3519 Internal combustion engines, n.e.c.	(X)	(C)	(X)	(X)	(X)	23.4
	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	17.7
	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	48.5
	3545 Machine tool accessories	(X)	(X)	(X)	(X)	(X)	(2-5)
	3552 Textile machinery	(X)	(X)	(X)	(X)	(X)	(2-5)
	3566 Power transmission equipment	(X)	(X)	(X)	(X)	(X)	(20-50)
	3569 General industrial machinery, n.e.c.	(X)	(X)	(X)	(X)	(X)	2.9
	3585 Refrigeration machinery	(X)	(X)	(X)	(X)	(X)	39.7
	3599 Miscellaneous machinery, except electrical	(X)	(X)	(X)	(X)	(X)	51.2
	3621 Motors and generators	(X)	(X)	(X)	(X)	(X)	(over 2)
	3632 Household refrigerators and freezers	(X)	(X)	(X)	(X)	(X)	(over 2)
	3642 Lighting fixtures	(X)	(X)	(X)	(X)	(X)	(over 2)
	3651 Radio and TV receiving sets	(X)	(X)	(X)	(X)	(X)	(over 2)
	3694 Engine electrical equipment	(X)	(X)	(X)	(X)	(X)	122.7
	3722 Aircraft engines and engine parts	(X)	(X)	(X)	(X)	(X)	(over 2)
	3729 Aircraft equipment, n.e.c.	(X)	(X)	(X)	(X)	(X)	(2-5)
	3821 Mechanical measuring devices	(X)	(X)	(X)	(X)	(X)	(over 2)
3715-	3441 Fabricated structural steel	(X)	(X)	(X)	(X)	(X)	(over 2)
	3443 Fabricated platework (boiler shop products)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3449 Miscellaneous metalwork	(X)	(X)	(X)	(X)	(X)	(over 2)
	3491 Metal barrels, drums, and pails	(X)	(X)	(X)	(X)	(X)	(over 2)
	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	7.3

Note: Data shown parenthetically are ranges expressed in millions of dollars.

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands(rather than rounding)in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3711- --	MOTOR VEHICLES, TOTAL	(X)	25,921.6	(X)	[1]20,327.0
37111 --	Passenger cars, knocked down or assembled, and chassis for sale separately	7,319.7	19,277.4	7,567.4	16,768.3
37111 11	Complete vehicles, knocked down or assembled, including station wagons, ambulances, hearses, and taxicabs if produced on passenger car chassis. For vehicles assembled abroad, value is on the same basis as for domestic interplant shipments of knock-down vehicles	7,319.7	19,277.4	7,567.4	16,768.3
37111 51	Chassis for sale separately				
37112 --	Truck tractors, truck chassis and trucks (chassis of own manufactured) Trucks, truck tractors, and truck chassis, knocked down or assembled, including trucks such as pickup, panel delivery, or other commercial cars made on passenger car chassis if these chassis are of own manufacture (including station wagons, ambulances, hearses, and taxicabs if produced on truck chassis, and all truck chassis whether or not to be used for transportation of property, such as fire apparatus, street sprinklers, school buses, ambulances, etc.) (excluding specialized road construction machinery and off-the-highway trucks)	(X)	4,263.7	(X)	3,376.2
	Trucks and truck tractors: By gross vehicle weight:				
37112 11	6,000 pounds and less	918.3	1,713.5	876.1	
37112 13	6,001 to 10,000 pounds	287.0	589.6	178.7	
37112 15	10,001 to 14,000 pounds	11.4	28.5	25.1	
37112 17	14,001 to 16,000 pounds	12.7	32.5		
37112 21	16,001 to 19,500 pounds	81.6	239.6	116.6	3,375.7
37112 23	19,501 to 26,000 pounds	106.4	400.0	109.9	
37112 25	26,001 to 33,000 pounds	41.0	292.1	27.8	
37112 27	33,001 to 44,000 pounds	44.8	506.4	47.3	
37112 28	Over 44,000 pounds	35.8	453.9		
	Number shipped by body type:				
37112 31	Pickup	809.3	(X)		
37112 33	Panel	26.5	(X)		
37112 35	Multistop	119.6	(X)		
37112 37	Van	51.6	(X)		
37112 41	Station wagon	95.6	(X)	(NA)	(X)
37112 45	General utility				
37112 49	Other body types				
	Chassis:				
37112 53	With cab	392.7	(X)		
37112 55	Without cab	39.5	(X)		
37112 00	Truck tractors, truck chassis and trucks not specified by kind	(X)	7.6	(X)	0.5
37113 --	Buses (except trolley buses) and fire department vehicles (chassis of own manufacture)	(X)	179.8	(X)	182.5
37113 13	Buses (body mounted on chassis of own manufacture), including military but excluding trolley buses	[e]1.0	17.9	(NA)	155.5
37113 15	Buses (consisting of integrally constructed body-chassis frame usually rear-engine mounted) such as those usually delivered to common carriers or franchised operators for city and inter-city transit, charter hire, or sightseeing; school and Government	8.1	141.6		
37113 21	Fire department vehicles[2]	0.6	20.3	1.5	26.9
37114 11	Combat vehicles, wheeled or tracked tactical vehicles or carriers (excluding tanks)	(NA)	2,160.1	(X)	([1])
37115 11	Passenger car bodies				
37110 00	Motor vehicles, not specified by kind	(X)	40.7		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3713- --	TRUCK AND BUS BODIES, TOTAL	(X)	[3]595.4	(X)	[3]419.7
	Truck, bus and other vehicle (except passenger car) bodies sold separately:[1]				
37130 12	To motor vehicle manufactures, including interplant transfers	101.1	76.3	r77.9	r52.3
	To other than motor vehicle manufactures (including bodies installed on chassis owned by others):				
	Truck bodies:				
37130 21	Van	27.0	33.0	30.6	44.0
37130 23	Multistop	13.9	24.1	(NA)	(NA)
37130 25	Pick up	1.9	3.7	r9.1	r12.4
37130 27	Panel	1.1	1.4		
37130 33	Dump	4.2	38.3	31.7	30.3
37130 34	Stake and platform	32.5	14.0	24.1	9.3
37130 36	Utility, including service and line construction, and repair types	(NA)	52.3	28.3	34.3
37130 37	Tank including street flushing petroleum and other tank types	1.5	6.2	1.4	4.3
37130 38	Refuse and garbage (packer type)	6.5	31.0	4.9	22.1
37130 39	Other	29.2	38.6	23.0	32.5
37130 51	Bus bodies	27.2	62.9	18.3	41.3
37130 55	Other vehicle (except passenger car) bodies (ambulance, hearse, fire department, etc.)	15.9	22.5	9.5	17.6
	Complete vehicles (except passenger cars) produced on purchased chassis:				
37130 71	Ambulances	3.5	20.5	2.3	15.9
37130 75	Hearses and undertakers' vehicles (except limousines)	1.7	12.9	1.3	9.8
37130 77	Fire department vehicles	1.6	17.9	1.3	13.6
37130 79	Busses (body mounted on purchased chassis), including military, but excluding trolley busses	(X)	72.0	(X)	42.3
37130 98	All other highway vehicles, including trucks (platform, stake, van, tank, dump, etc.), street cleaning apparatus, rotary and blow-type snowplows, pick-up sweepers, noncombat amphibious vehicles, etc				
37130 99	Vehicles, except passenger cars, produced on purchased chassis (including value of chassis), n.s.k			(X)	10.1
37130 00	Truck and bus bodies, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	52.0	(X)	27.6
37130 02	Truck and truck bus bodies, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	15.8		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Products	1967						1963
		Total shipments, including interplant transfers		Domestic shipments for replacement including shipments to U.S. motor vehicle manufacturers for resale[4]		Shipments to U.S. motor vehicle manufacturers or their suppliers for use in original equipment[4]	Shipments for export (including transfers to other divisions for export[4]	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)	(million dollars)	(million dollars)	(million dollars)
3714- --	MOTOR VEHICLE PARTS AND ACCESSORIES	(X)	11,735.2	(X)	(X)	(X)	(X)	[1] [5]13,386.1
37141 --	Parts and accessories for motor vehicles, passenger cars, trucks and buses	(X)	11,326.9	(X)	(X)	(X)	(X)	[1] [5]12,975.8
	Parts and accessories for motor vehicles, passenger cars, trucks and buses, excluding not specified by kind	(X)	11,270.9	(X)	[6]1,953.1	8,818.3	499.1	[1] [5]12,938.0
38141 11	Gasoline engines, new (with or without cylinder heads, fuel pumps, water pumps, and other standard accessories)	7.1	1,770.7	0.1	36.0	1,650.7	84.0	
37141 17	Hub and drum assemblies	39.1	212.0	2.5	15.4	193.4	3.2	
37141 21	Fuel pump assemblies excluding kits and rebuilts	16.0	45.1	6.6	23.6	21.5		
37141 23	Water pump assemblies, excluding kits and rebuilts	4.3	23.2	(NA)	16.7	4.8	1.7	
	Exhaust systems:							
37141 27	Mufflers, including regular or standard, sports or glass pack and resonators	46.8	142.4	26.5	77.0	64.4	1.0	
37141 29	Pipes, including exhaust, tail, intermediate, connecting and crossover	63.7	94.1	36.0	49.0	44.4	0.7	
37141 31	Radiators, complete	9.6	207.2	1.1	7.5	199.6		
	Brake cylinders:							
37141 32	Wheel	45.1	38.6	16.8	15.0	21.6	2.0	
37141 34	Master	9.8	42.5	2.8	14.8	26.1	1.7	
	Wheels:							
37141 35	Passenger car type	44.3	117.6	3.2	20.2	97.4		[1] [6]2,938.0
37141 37	Truck and bus type, including those for truck trailers and trailer coaches	10.4	140.8	(NA)		140.8		
	Transmissions, except auxiliary:							
	Passenger car type:							
37141 41	Conventional transmissions	0.9	79.3	(NA)	10.7	63.0	5.5	
37141 43	Automatic transmissions	6.9	937.4	(NA)	6.0	889.5	41.9	
	Truck and bus type:							
37141 45	Conventional transmissions	1.4	272.4	(NA)		272.4		
37141 47	Automatic transmissions							
37141 51	Universal joints	(NA)	70.3	(NA)	11.8	54.6	3.9	
37141 61	Shock absorbers	41.1	105.6	23.4	74.0	26.9	4.7	
37141 81	Clutch disc and facing assemblies	9.9	69.2	(NA)	(NA)	(NA)	(NA)	
37141 25, 87, 98	All other parts and accessories for passenger cars, trucks and buses, including oil filter elements and convertible tops	(X)	6,902.5	(X)	1,498.1	5,093.0	311.5	
37141 00	Parts and accessories for motor vehicles, passenger cars, trucks and buses, not specified by kind	(X)	56.0	(X)	(X)	(X)	(X)	37.9
37143 --	Rebuilt parts for motor vehicles excluding carburetors	(X)	197.5	(X)	(X)	(X)	(X)	188.3
37143 21	Fuel pumps	[7]8.1	[7]15.9	(X)	(X)	(X)	(X)	
37143 23	Water pumps	(NA)	[7]9.0	(X)	(X)	(X)	(X)	
37143 26	Clutch discs and pressure plates	[7]5.3	[7]29.4	(X)	(X)	(X)	(X)	
38143 31	Engines, gasoline	[7]0.3	[7]45.2	(X)	(X)	(X)	(X)	188.3
37143 44	Automatic transmissions	(NA)	[7]5.1	(X)	(X)	(X)	(X)	
37143 98	All other rebuilt parts	(X)	[7]90.2	(X)	(X)	(X)	(X)	
37143 00	Rebuilt parts for motor vehicles, except carburetors, not specified by kind	(X)	2.6	(X)	(X)	(X)	(X)	
37140 00	Motor vehicle parts and accessories (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	179.2	(X)	(X)	(X)	(X)	[1]222.0
37140 02	Motor vehicle parts and accessories (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	31.5	(X)	(X)	(X)	(X)	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3715- --	TRUCK TRAILERS, TOTAL	(X)	702.2	(X)	484.7
37150 10	Complete truck trailers and chassis as reported in census of manufactures.	(X)	643.5	(X)	461.4
	Complete truck trailers and chassis as reported on Census form M37L	124.0	590.8	82.9	438.5
	Vans, total	59.1	318.6	46.6	261.5
	Closed top:				
	Insulated, semi-insulated and refrigerated, total	11.4	90.1	8.9	70.4
37150 03	Steel	11.4	90.1	1.1	6.0
37150 13	Aluminum			7.8	64.4
	Drop-frame type (12 inches or more drop), including furniture drop frame but excluding livestock drop frame, total	2.8	16.3	[1]2.5	[1]14.2
37150 05	Steel	1.6	9.4	[1]2.1	[1]11.4
37150 15	Aluminum	1.2	6.9	[1]0.5	[1]2.9
	Livestock, including livestock drop frame, total	1.1	9.1		
37150 07	Steel	1.1	9.1	(8)	(8)
37150 17	Aluminum				
	All other closed top dry freight vans, total	40.6	186.2	31.9	159.9
37150 09	Steel	40.6	186.2	7.9	35.7
37150 19	Aluminum			24.0	124.2
	Open-top, including low-side grain, fruit, etc., total	3.3	16.8	3.3	16.9
37150 12	Steel	1.1	5.4	1.1	5.5
37150 21	Aluminum	2.2	11.5	2.2	11.5
	Tank, total	7.2	73.0	4.6	47.0
	Other than high pressure:				
	For flammable liquids, except casing head transport, including aircraft refuelers:				
37150 22	Steel (MC 300-303 types)	2.9	27.9		
37150 23	Aluminum (MC 301-302-305 types)				
	For asphalt:			3.4	33.1
37150 24	Steel	0.5	4.7		
37150 25	Aluminum				
37150 26	For casing head transport-MC 304 type				
37150 27	For chemicals and acids-MC 310-311 types			0.7	8.0
37150 29	All other, including food and milk, sanitary, and cryogenics	3.8	40.4		
37150 31	High pressure (MC 330-331 types) (LPG, anhydrous ammonia, etc.)			0.4	5.8
37150 33	Bulk commodity and dry materials, including pneumatic and mechanical discharge (both tank and hopper types), except vans	1.1	11.4	1.2	11.3
37150 35	Pole and logging	1.3	4.8	1.1	3.9
37150 37	Platform	15.5	59.4	12.5	47.8
37150 41	Low-bed heavy haulers (over 10-ton capacity)	3.4	17.3	3.2	14.6
37150 43	Dump trailers and dump chassis, highway type (rear, side, and bottom dump, including nonpneumatic hoppers)	2.8	16.3	3.1	17.5
37150 45	Dollies or converter gear	3.8	6.6		
37150 49	All other trailers and chassis, except detachable trailers and detachable trailer chassis	2.3	9.1	5.3	16.4
37150 53	Detachable trailer bodies, sold separately	17.0	52.6		
37150 54	Detachable trailer chassis, sold separately	10.5	21.9	5.3	18.4
37150 55	Truck trailers and truck trailer chassis with axles rated less than 10,000 pounds	39.0	25.7	7.0	10.5
37150 00	Truck trailers, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	30.7		
37150 02	Truck trailers, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	2.4	(X)	12.8

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

See footnotes on next page.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Footnotes for table 6A-37A—Continued

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]From 10 to 30 percent of this figure was estimated.

[1]For 1963, product codes 3711411, combat vehicles, and 3711000, motor vehicles n.s.k., were combined with product code 3714000, Motor vehicle parts and accessories.

[2]These figures represent fire department vehicles produced on chassis of own manufacture. Separate figures are shown for fire department vehicles produced on purchased chassis (code 3713077). A small number of fire department vehicles are produced on chassis furnished by customers.

[3]Truck and bus bodies built by garages, service stations, and other establishments primarily engaged in nonmanufacturing activities are excluded.

[4]Motor vehicle parts data were published in the 1963 Census of Manufactures in Table 6E, "Production and Use of Selected Parts of the Type Used for Passenger Cars, Trucks, and Buses," of report MC63(2)-37A, Motor Vehicles and Equipment. There are significant differences in the manner in which the data were developed in the two Censuses including the following:

a. In 1963, a total production figure was typically collected including, where appropriate, the quantities produced and consumed in the same establishment in producing a more finished product. In 1967 production figures were collected but could not be published because they were incomplete.

b. In 1963, separate quantity data were reported for the quantities of equipment "used in the assembly of new vehicles." These data were collected from automobile assembly plants and included the quantities of parts produced and consumed in the assembly of new vehicles. For 1967 a value, rather than a quantity figure was collected and the data were reported by the plants producing the parts rather than by the assembly plants. No values are included for the quantities of parts produced and consumed in the same plant. The value of parts shipped as interplant transfers from parts plants to assembly plants owned by the same company are included in both 1963 and 1967.

c. In 1963, the quantity of parts "for replacement, export, and other purposes" was derived by subtracting from the total number of units produced the quantities used in the assembly of new vehicles as reported by motor vehicle assembly plants. In 1967, the quantity and value shipped by parts producers for replacement was reported separately and, in addition, a value of export shipments was reported by parts producing plants.

[5]Data for motor vehicle parts and accessories for 1963 have been revised to exclude the output of the automotive stampings plants operated by automobile producing companies.

[6]This figure is limited to shipments of products classified in industry 3714. There were additional shipments of motor vehicle parts by parts producers to other than motor vehicle manufacturers. This includes spark plugs, ignition coils, storage batteries, carburetors, pistons and pistons rings, and springs which are classified outside the 3714 grouping and which approximated $528.5 million.

[7]Data are limited to rebuilding on a factory basis. Rebuilding operations performed in service stations, garages, etc., are excluded from the census of manufactures. Also, these figures may be somewhat understated because of the exclusion of data for establishments with fewer than 10 employees. Such establishments were typically not included in the mail portion of the 1967 Census of Manufactures, but were included in the published data by the use of estimates from administrative records. These estimates are included in the value shown for product code 3714002. Although the use of such administrative records tends to create a small understatement for most specific products, the effect is more significant for those products typically produced in small establishments, such as rebuilding facilities.

[8]In 1963, livestock type closed vans were not reported separately. They were included as drop-frame type.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
PASSENGER CARS, AND CHASSIS FOR SALE SEPARATELY (37111)		
United States	19 277.4	16 768.4
Northeast Region	GG	(D)
New England Div.	GG	(D)
Massachusetts	GG	(1)
Middle Atlantic Div.	GG	(D)
New York	GG	(1)
New Jersey	GG	(1)
North Central Region	12 783.8	(D)
East North Central Div.	10 390.5	8 485.8
Ohio	1 209.7	(1)
Indiana	CC	(1)
Illinois	GG	(1)
Michigan	7 412.5	5 960.3
Wisconsin	GG	(1)
West North Central Div.	2 393.4	(D)
Minnesota	GG	(1)
Missouri	GG	(1)
Kansas	GG	(1)
South Region	3 072.3	(D)
South Atlantic Div.	GG	(D)
Delaware	GG	(1)
Maryland	GG	(1)
Virginia	GG	(1)
Georgia	GG	(1)
East South Central Div.	GG	(D)
Kentucky	GG	(1)
West Region	GG	(D)
Mountain Div.	AA	(D)
Idaho	AA	(D)
Pacific Div.	GG	1 507.9
California	GG	1 507.9
TRUCK TRACTORS, CHASSIS, AND TRUCKS (OWN CHASSIS)(37112)		
United States	4 263.7	3 376.2
Northeast Region	454.9	(D)
New England Div.	GG	(D)
Connecticut	GG	(1)
Middle Atlantic Div.	GG	383.0
New York	GG	(1)
New Jersey	GG	(1)
Pennsylvania	GG	(1)
North Central Region	2 645.4	(D)
East North Central Div.	2 104.1	1 809.7
Ohio	GG	724.4
Indiana	GG	(1)
Illinois	CC	(1)
Michigan	1 160.8	(1)
Wisconsin	GG	(1)
West North Central Div.	541.3	(D)
Minnesota	EE	(1)
Missouri	EE	(D)

Product class and geographic area	Value of shipments	
	1967	1963
TRUCK TRACTORS, CHASSIS, AND TRUCKS (OWN CHASSIS) (37112)--Con.		
South Region	594.2	(D)
South Atlantic Div.	GG	(D)
Maryland	GG	(1)
Virginia	FF	(1)
Georgia	GG	(1)
East South Central Div.	GG	(D)
Kentucky	GG	(1)
Alabama	CC	(D)
West South Central Div.	FF	(D)
Texas	FF	(1)
West Region	568.6	(D)
Pacific Div.	568.7	(D)
Washington	FF	(1)
Oregon	FF	(1)
California	GG	(1)
BUSES, FIRE DEPARTMENT VEHICLES (ON OWN CHASIS) (37113)		
United States	179.8	182.5
Northeast Region	EE	12.5
Middle Atlantic Div.	EE	(D)
New York	EE	(1)
Pennsylvania	BB	(1)
North Central Region	143.3	156.0
East North Central Div.	GG	156.0
Ohio	CC	(1)
Michigan	GG	(1)
Wisconsin	CC	(1)
West North Central Div.	FF	-
North Dakota	FF	-
South Region	CC	3.1
South Atlantic Div.	CC	(D)
Virginia	AA	(D)
Georgia	CC	(1)
West Region	EE	11.0
Pacific Div.	EE	11.0
California	EE	11.0
TRUCK AND BUS BODIES FOR SALE SEPARATELY (INCLUDING THOSE MADE ON PURCHASED CHASSIS) (37130)		
United States	595.4	419.7
Northeast Region	74.5	58.9
New England Div.	11.8	6.0
Massachusetts	7.1	3.6
Rhode Island	BB	(D)
Connecticut	1.4	1.3
Middle Atlantic Div.	62.6	52.9
New York	18.8	20.6
New Jersey	8.5	6.1
Pennsylvania	35.3	26.3

Product class and geographic area	Value of shipments	
	1967	1963
TRUCK AND BUS BODIES FOR SALE SEPARATELY (INCLUDING THOSE MADE ON PURCHASED (CHASSIS) (37130)--Con.		
North Central Region	333.8	223.6
East North Central Div.	276.5	192.8
Ohio	119.5	76.8
Indiana	64.5	37.4
Illinois	37.3	17.5
Michigan	27.3	37.3
Wisconsin	27.9	23.8
West North Central Div.	57.3	30.8
Minnesota	12.2	5.9
Iowa	9.5	4.0
Missouri	29.7	17.9
Nebraska	AA	1.9
Kansas	4.1	(D)
South Region	124.5	87.1
South Atlantic Div.	51.0	37.0
Maryland	2.6	2.0
Virginia	7.0	3.8
North Carolina	25.3	13.9
Georgia	9.9	11.5
Florida	4.7	3.4
East South Central Div.	43.5	32.0
Kentucky	2.5	(1)
Tennessee	11.5	10.5
Alabama	13.0	6.4
Mississippi	16.4	(1)
West South Central Div.	30.0	18.1
Arkansas	CC	(1)
Louisiana	AA	3.1
Oklahoma	4.6	(1)
Texas	14.3	7.8
West Region	62.6	50.2
Mountain Div.	3.7	3.1
Colorado	1.2	1.8
Pacific Div.	58.9	47.0
Washington	4.6	2.4
Oregon	6.1	5.5
California	48.2	39.1
MOTOR VEHICLE PARTS, ACCESSORIES, EXCEPT REBUILT (37141)		
United States	11 326.9	(NA)
Northeast Region	1 162.6	(NA)
New England Div.	92.9	(NA)
Maine	CC	(NA)
New Hampshire	CC	(NA)
Massachusetts	31.7	(NA)
Rhode Island	EE	(NA)
Connecticut	36.5	(NA)
Middle Atlantic Div.	1 069.6	(NA)
New York	771.5	(NA)
New Jersey	58.2	(NA)
Pennsylvania	239.9	(NA)
North Central Region	9 634.5	(NA)
East North Central Div.	9 446.9	(NA)
Ohio	2 181.1	(NA)
Indiana	1 328.6	(NA)
Illinois	252.8	(NA)
Michigan	5 468.4	(NA)
Wisconsin	216.0	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
MOTOR VEHICLE PARTS, ACCESSORIES, EXCEPT REBUILT (37141)--Con.		
North Central Region--con.		
West North Central Div....	187.5	(NA)
Minnesota.....	EE	(NA)
Iowa.....	25.6	(NA)
Missouri.....	116.6	(NA)
Nebraska.....	FF	(NA)
Kansas.....	AA	(NA)
South Region.....	405.8	(NA)
South Atlantic Div.....	181.0	(NA)
Delaware.....	CC	(NA)
Maryland.....	GG	(NA)
Virginia.....	FF	(NA)
West Virginia.....	FF	(NA)
North Carolina.....	FF	(NA)
South Carolina.....	CC	(NA)
Georgia.....	FF	(NA)
Florida.....	3.4	(NA)
East South Central Div....	198.8	(NA)
Kentucky.....	39.8	(NA)
Tennessee.....	104.1	(NA)
Alabama.....	29.9	(NA)
Mississippi.....	24.4	(NA)
West South Central Div....	26.0	(NA)
Arkansas.....	CC	(NA)
Oklahoma.....	BB	(NA)
Texas.....	16.1	(NA)
MOTOR VEHICLE PARTS, ACCESSORIES, EXCEPT REBUILT (37141)--Con.		
West Region.....	124.1	(NA)
Mountain Div.....	18.6	(NA)
Colorado.....	13.4	(NA)
Arizona.....	AA	(NA)
Utah.....	BB	(NA)
Pacific Div.....	105.5	(NA)
Washington.....	3.0	(NA)
Oregon.....	4.5	(NA)
California.....	98.0	(NA)
REBUILT MOTOR VEHICLE PARTS (EXCEPT CARBURETORS) (37143)		
United States.....	197.5	(NA)
Northeast Region.....	25.9	(NA)
New England Div.....	4.4	(NA)
Massachusetts.....	4.4	(NA)
Middle Atlantic Div.....	21.5	(NA)
New York.....	5.3	(NA)
New Jersey.....	9.5	(NA)
Pennsylvania.....	6.8	(NA)
North Central Region...	77.3	(NA)
East North Central Div...	55.8	(NA)
Ohio.....	21.9	(NA)
Indiana.....	10.1	(NA)
Illinois.....	8.6	(NA)
Michigan.....	13.5	(NA)
Wisconsin.....	1.6	(NA)
REBUILT MOTOR VEHICLE PARTS (EXCEPT CARBURETORS) (37143)--Con.		
North Central Region--con.		
West North Central Div...	21.4	(NA)
Minnesota.....	11.5	(NA)
Missouri.....	BB	(NA)
South Dakota.....	AA	(NA)
Kansas.....	BB	(NA)
South Region.....	67.2	(NA)
South Atlantic Div.....	20.2	(NA)
Virginia.....	AA	(NA)
North Carolina.....	6.4	(NA)
Georgia.....	10.3	(NA)
Florida.....	1.3	(NA)
East South Central Div...	10.5	(NA)
Kentucky.....	BB	(NA)
Tennessee.....	4.1	(NA)
Alabama.....	BB	(NA)
West South Central Div...	36.5	(NA)
Arkansas.....	BB	(NA)
Oklahoma.....	18.6	(NA)
Texas.....	14.5	(NA)
West Region.....	27.2	(NA)
Mountain Div.....	2.1	(NA)
Colorado.....	1.1	(NA)
Pacific Div.....	25.1	(NA)
Washington.....	BB	(NA)
Oregon.....	AA	(NA)
California.....	21.1	(NA)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operation. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Quantity and Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3711	Motor vehicles	25,921.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
37111	Passenger cars, knocked down or assembled and chassis for sale separately	19,277.4	21,157.4	21,851.6	17,396.2	16,768.3	9,217.7	9,471.8	4,085.5
37112	Truck tractors, truck chassis and trucks (chassis of own manufacture)	4,263.7	4,655.8	4,288.8	3,442.0	3,376.2	1,933.7	1,732.1	1,619.8
37113	Buses, except trolley buses and fire department vehicles (chassis of own manufacture)	179.8	198.0	169.8	175.9	182.5	99.2	103.5	239.6
37114	Combat vehicles, wheeled or tracked tactical vehicles or carriers (excluding tanks)	2,160.1	[2]	[2]	[2]	[2]	[2]	(NA)	(NA)
37115	Passenger car bodies		[3]	[3]	[3]	[3]	[3]	(NA)	(NA)
37110	Motor vehicles, n.s.k.	40.7	[2]	[2]	[2]	[2]	[2]	(NA)	(NA)
37130	Truck and bus bodies for sale separately (including those made on purchase chassis)	595.4	619.3	492.5	443.3	419.7	274.9	215.2	197.5
3714	Motor vehicle parts and accessories	11,735.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
37141	Parts and accessories for motor vehicles, excluding kits and rebuilt parts	11,326.9	[3][4]16,030.1	[3][4]16,253.3	[3][4]13,348.5	[3][4]12,975.8	8,467.5	(NA)	(NA)
37143	Rebuilt engines and parts for motor vehicles, excluding carburetors	197.5	187.5	187.0	182.2	188.3	79.9	56.7	(NA)
37140	Motor vehicle parts, and accessories	210.7	[2]317.4	[2]231.2	[2]160.0	[2]222.0	[2]65.3	(NA)	(NA)
37150	Truck trailers	702.2	769.8	670.7	546.8	484.7	284.0	262.0	139.4

Note: See "Note" to table 6A for an explanation of "n.s.k." Product classes. Detailed figures may not add to totals because of independent rounding in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The Census series and related data.

[2]Prior to 1967, figures for product class 37114, Combat vehicles, and 37110, Motor vehicles, n.s.k., were included with product class 37140, Motor vehicle parts and accessories.

[3]Prior to 1967, figures for product class 37115, Passenger car bodies, were included with product class 37141, Parts and accessories for motor vehicles.

[4]Data for 1963 to 1966 have been revised to exclude automotive job stampings shipped by establishments operated by automotive companies.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967						1963 industries 3711 and 3714	
			Industry 3711.--Motor vehicles		Industry 3714.--Motor vehicle parts and accessories		Total of industries 3711 and 3714			
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	Materials, parts, containers and supplies, total	.....	(X)	19,505.1	(X)	5,727.6	(X)	25,233.3	(X)	22,596.8
	Mill shapes and forms (except castings):									
	Carbon steel:									
331011	Bars and bar shapes	1,000 tons	145.5	23.7	751.5	135.1	897.0	158.8	1,006.4	165.0
331012	Sheet and strip	...do	1,164.4	198.0	5,061.3	774.1	6,225.7	972.1	[1]6,059.7	[1]892.3
331013	Plates	...do	27.3	5.0	288.6	44.2	315.9	49.2	333.8	48.1
331015	Structural shapes	...do	15.8	3.2	21.7	3.4	37.5	5.6	26.8	4.2
331017	Wire and wire products	...do	1.4	0.5	226.7	52.8	228.1	53.3	[1]142.0	[1]33.7
331019	All other carbon steel mill shapes and forms	...do	17.1	4.7	[2]144.1	[2]45.8	161.2	50.5	280.4	58.3
	Alloy steel (except stainless):									
331021	Bars and bar shapes	...do	106.4	26.0	325.5	66.0	431.9	92.0	534.1	111.7
331029	All other alloy mill shapes and forms	...do	20.1	4.7	52.9	27.4	73.0	32.1	81.2	37.8
331031	Stainless steel	...do	1.1	0.9	26.0	24.2	27.1	25.1	37.7	31.7
	Copper and copper-base alloy:									
335728	Bare wire for electrical conduction	Million lbs	(D)	(D)	80.1	37.7	(D)	(D)	1.7	1.1
335790	Insulated wire and cable	Million lbs. (copper content)	5.1	4.1	27.2	16.0	32.3	20.1	31.3	15.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs	2.3	1.5	59.0	26.5	218.0	111.6	50.4	18.3
335123	Plate, sheet, and strip, including military cups and discs	...do			156.7	83.6			163.6	74.4
335127	Pipe and tube	...do	7.2	5.9	[3]	[3]	(NA)	(NA)	12.1	7.5
	Aluminum and aluminum-base alloy:									
335202	Sheet, plate, and foil	...do	25.3	11.3	47.8	22.8	73.1	34.1	77.5	33.4
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do	7.4	3.6	21.2	12.1	28.6	15.7	22.8	11.2
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do	1.5	0.8	5.0	3.0	6.5	3.8	17.3	5.3
339915	Metal powders	...do	(D)	(D)	52.4	15.3	(D)	(D)	(NA)	(NA)
	Primary metals:									
331051	Pig iron (excluding silvery iron)	1,000 short tons	(D)	(D)	76.1	4.6	(D)	(D)	239.0	13.9
333401	Aluminum and aluminum-base alloy refinery shapes	...do	(D)	(D)	37.0	16.6	(D)	(D)	33.3	13.4
	Scrap, excluding home scrap:									
999811	Iron and steel	...do	(D)	(D)	324.5	9.9	(D)	(D)	330.6	13.3
999808	Aluminum and aluminum-base alloy	...do	(D)	(D)	(D)	(D)	(D)	(D)	0.1	0.1
	Castings (rough and semifinished):[4]									
332011	Iron (gray and malleable)	...do	504.9	139.3	2,593.1	758.5	3,098.0	897.8	[1]2,955.4	[1]745.5
332300	Steel	...do	24.5	16.6	135.8	108.3	160.3	124.9	[1]58.0	[1]27.1
336100	Aluminum and aluminum-base alloy	Million lbs	55.2	38.9	373.1	186.3	428.3	225.2	430.2	225.3
336200	Copper and copper-base alloy	...do	(D)	(D)	16.1	11.4	(D)	(D)	8.1	5.6
	Forgings:[4]									
339100	Iron and steel	1,000 tons	84.4	39.6	881.9	392.8	996.3	432.4	999.5	391.0
339200	Aluminum and aluminum-base alloy	Million lbs	-	-	47.7	15.5	47.7	15.5	1.4	1.0
362115	Fractional horsepower electric motors (under 1 hp.)[4]	1,000	(D)	(D)	2,521.6	10.2	(D)	(D)	7.2	21.0
	Bearings:									
356218	Ball	.....	(X)	13.0	(X)	26.9	(X)	39.9	(X)	47.7
356201	Roller	.....	(X)	25.0	(X)	100.8	(X)	125.8	(X)	109.0
229501	Coated, impregnated or laminated fabrics	Million lin. yds.	4.5	6.2	2.2	2.3	6.7	8.5	[1]8.4	[1]5.6
	Uncoated broad-woven fabrics (piece goods)									
221103	Cotton	...do	(NA)	0.3	5.4	3.0	(NA)	3.3	4.9	1.4
220119	Other broad-woven fabrics	...do	(D)	(D)	5.4	1.4	(D)	(D)	[1]3.9	[1]7.4
307911	Unsupported plastic film and sheeting, excluding packaging materials	Million sq.yds	(NA)	0.4	2.0	1.4	(NA)	1.8	(NA)	(NA)
282130	Thermoplastic resins including modified resins	Million lbs (dry basis)	(D)	(D)	49.6	15.4	(D)	(D)	22.1	9.6
282140	Thermosetting resins	.....do	(D)	(D)	21.8	8.2	(D)	(D)	22.1	9.7
970099	All other materials and components,[5] parts, containers, and supplies consumed	.....	(X)	18,675.4	(X)	2,407.4	(X)	21,083.8	(X)	[1]18,671.9
976000	Materials, parts, containers and supplies, n.s.k.[6]	.....	(X)	256.1	(X)	256.7	(X)	512.8	(X)	727.9

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3713.--TRUCK AND BUS BODIES					
	Materials, parts, containers and supplies, total	.....	(X)	338.0	(X)	224.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	31.6	5.5	23.1	3.9
331012	Sheet and strip	...do.....	262.9	43.4	176.2	28.7
331013	Plates	...do.....	54.5	8.0	37.8	5.4
331015	Structural shapes	...do.....	34.0	5.5	21.4	3.3
331017	Wire and wire products	...do.....	3.5	0.9	0.5	0.2
331019	All other carbon steel mill shapes and forms	...do.....	7.1	1.9	18.9	3.8
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	0.9	0.3	0.3	0.1
331029	All other alloy mill shapes and forms	...do.....	11.6	2.6	2.4	0.5
331031	Stainless steel	...do.....	2.6	2.6	0.6	0.7
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	(D)	(D)	-	-
335790	Insulated wire and cable	Million lbs. (copper content).	0.3	0.3	0.1	0.1
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	(NA)	1.7	0.2	0.1
335123	Plate, sheet, and strip, including military cups and discs	...do.....				
335127	Pipe and tube	...do.....	(NA)	1.5	0.2	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	24.3	11.2	13.5	6.3
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	8.3	4.3	6.5	2.8
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do.....	2.8	1.4	0.5	0.3
	Primary metals and scrap:					
331051	Pig iron (excluding silvery iron)	1,000 tons.....	-	-	(D)	(D)
333401	Aluminum and aluminum-base alloy refinery shapes	...do.....	(D)	(D)	(D)	(D)
999811	Iron and steel scrap	...do.....	(D)	(D)	(D)	(D)
999808	Aluminum and aluminum-base alloy scrap	...do.....	(D)	(D)	(NA)	(NA)
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do.....	6.1	2.6	2.7	0.9
332300	Steel	...do.....	6.3	2.7	1.3	0.8
336100	Aluminum and aluminum-base alloy	Million lbs.....	0.4	0.4	0.2	0.2
336200	Copper and copper-base alloy	...do.....	0.2	0.2	0.1	0.1
	Forgings:[4]					
339100	Iron and steel	1,000 short tons..	0.5	0.3	0.4	0.2
339200	Aluminum and aluminum-base alloy	Million lbs.....	(D)	(D)	(D)	(D)
362115	Fractional horsepower electric motors (under 1 hp.) Excluding timing motors[4]	1,000 units.....	81.6	0.4	(D)	(D)
362115	Bearings:					
356218	Ball	.....	-	0.2	(X)	0.1
356201	Roller	.....	-	0.1		
229501	Coated, impregnated or laminated fabrics	Million lin. yds..	258.6	0.9	(D)	(D)
	Uncoated broad-woven fabrics (piece goods):					
221103	Cotton	.....	(NA)	0.1	(NA)	(NA)
220119	Other broadwoven fabrics	...do.....	3.5	0.1	(NA)	(NA)
282130	Thermoplastic resins including modified resins	Million lbs. dry basis.....	0.9	0.3	0.1	0.1
282140	Thermosetting resins	...do.....	1.1	0.4	0.8	0.2
970099	All other materials and components, parts, containers, and supplies consumed[5]	.....	(X)	186.3	(X)	115.1
976000	Materials, parts, containers and supplies, n.s.k.[6]	.....	(X)	51.9	(X)	50.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3715.--TRUCK TRAILERS					
	Materials, parts, containers, and supplies, total	.....	(X)	427.6	(X)	298.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 tons	13.5	2.3	17.9	3.2
331012	Sheet and strip	...do	126.3	21.4	106.9	17.1
331013	Plates	...do	46.7	7.9	42.3	6.2
331015	Structural shapes	...do	38.0	6.5		
331017	Wire and wire products	...do	(NA)	0.3	42.4	11.1
331019	All other carbon steel mills shapes and forms	...do	12.6	3.9		
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	8.4	2.1		
331029	All other alloy steel mill shapes and forms	...do	23.8	5.4	25.9	9.0
331031	Stainless steel	...do	16.1	12.6		
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	million lbs	(D)	(D)	(NA)	(NA)
335790	Insulated wire and cable	million lbs. copper content	1.0	0.7	0.8	0.4
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	million lbs	-	-		
335123	Plate, sheet, and strip, including military cups and discs	...do	-	-	0.6	0.3
335127	Pipe and tube	...do	(NA)	0.6		
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	72.7	31.1	52.5	22.3
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do	68.2	26.0	54.9	20.0
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do	2.3	1.0	0.3	0.2
	Primary metals and scrap:					
331051	Pig iron (excluding silvery iron)	100 tons	-	-	(D)	(D)
333401	Aluminum and aluminum-base alloy refinery shapes	...do	(D)	(D)	(NA)	(NA)
999811	Iron and steel scrap	...do	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[4]					
332011	Iron (gray and malleable)	...do	1.9	1.5	0.7	0.7
332300	Steel	...do	10.2	4.4	13.3	6.8
336100	Aluminum and aluminum-base alloy	million lbs	1.1	0.9	0.6	0.4
336200	Copper and copper-base alloy	...do	(D)	(D)	(NA)	(NA)
	Forgings:[4]					
339100	Iron and steel	1,000 tons	1.1	0.4	(D)	(D)
339200	Aluminum and aluminum-base alloy	million lbs	0.4	0.2	0.2	0.1
	Bearings:					
356218	Ball	.....	(X)	1.4	(X)	0.3
356201	Roller	.....			(X)	1.0
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	273.8	(X)	169.5
976000	Materials, parts, containers and supplies, n.s.k.[6]	.....	(X)	23.2	(X)	29.9

Note: Detail figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Data for these materials have been revised to exclude the consumption of materials by automotive stamping plants operated by automobile producing plants. Most of these plants had previously been classified in this industry.

[2]These figures are understated by between $15 and $25 million because of apparent undercoverage of carbon steel pipe and tube.

[3]Included with material code 970099, "All other materials and components, etc."

[4]No data are available for the quantities of castings, forgings or fractional horsepower electric motors produced and consumed in the same establishment.

[5]Includes cost of those materials for which the symbol "D" appears.

[6]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Motor vehicles (SIC 3711)	Motor vehicles parts and accessories (SIC 3714)
	Cost of purchased fuels and electric energy, total....	Million dollars.	105.2	109.8
	Cost of purchased fuels, total.....	...do.....	49.2	40.6
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons	1,492.1	1,285.2
	Cost.....	Million dollars.	13.0	10.3
331212 331213	Coke, screenings, and breeze:			
	Quantity.....	1,000 short tons	(D)	57.4
	Cost.....	Million dollars.	(D)	2.1
	Fuel oil, total:			
	Quantity.....	1,000 barrels...	1,406.7	877.9
	Cost.....	Million dollars.	3.7	2.9
291141	Distillate:			
	Quantity.....	1,000 barrels...	169.3	237.4
	Cost.....	Million dollars.	0.7	0.9
291151	Residual:			
	Quantity.....	1,000 barrels...	1,237.4	640.5
	Cost.....	Million dollars.	3.0	2.0
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
	Quantity.....	Million cu. ft..	36,953.8	34,067.1
	Cost.....	Million dollars.	18.9	17.9
291111 960011	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	(D)	3.8
960013 960017	Fuels, n.s.k.....	...do.....	(D)	3.6
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs.	5,714.2	6,733.6
	Cost.....	Million dollars.	56.0	69.2
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	(D)	(D)
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	33,701.1	31,727.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping or fractions of thousands (rather than rounding) in computer operations.

[1] Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3711	MOTOR VEHICLES										
	ENTIRE INDUSTRY	181	321.2	2 699.9	262.3	524.4	2 098.4	7 353.6	19 964.7	27 296.0	263.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	161	316.6	2 665.3	258.9	516.6	2 074.8	7 267.5	19 840.4	27 091.2	254.2
37111	PASSENGER CARS, AND CHASSIS FOR SALE SEPARATELY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	59	221.4	1 901.5	183.7	368.5	1 495.4	5 739.4	15 803.4	21 503.4	207.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	49	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37112	TRUCK TRACTORS, CHASSIS, AND TRUCKS (OWN CHASSIS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	42	56.1	446.1	41.1	82.1	312.2	891.3	2 404.7	3 330.6	38.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	32	32.8	254.1	24.2	47.3	181.1	450.1	1 402.3	1 871.9	22.4
37113	BUSES, FIRE DEPT. VEHICLES (ON OWN CHASSIS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	10	2.4	15.9	1.9	3.9	11.6	33.0	52.0	82.1	4.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37114	COMBAT VEHICLES, TACTICAL VEHICLES (EXC. TANKS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3713	TRUCK AND BUS BODIES										
	ENTIRE INDUSTRY	641	30.4	192.2	24.6	49.4	138.5	331.7	376.4	706.1	13.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	593	22.6	141.4	18.4	37.2	103.4	245.0	277.9	523.7	8.8
3714	MOTOR VEHICLE PARTS AND ACCESSORIES										
	ENTIRE INDUSTRY	1 675	368.1	2 917.1	303.0	614.3	2 266.4	5 765.5	5 988.3	11 722.5	574.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	1 558	306.1	2 410.2	253.7	512.5	1 887.3	4 717.6	5 088.7	9 763.7	477.6
37141	MOTOR VEHICLE PARTS, ACCESSORIES, EXC. REBUILT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	664	347.9	2 791.4	286.8	581.2	2 175.0	5 538.9	5 764.2	11 278.1	526.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	574	285.5	2 279.7	237.8	480.4	1 797.4	4 500.8	4 855.2	9 321.1	456.1
37143	REBUILT MOTOR VEHICLE PARTS (EXC. CARBURETORS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	165	10.3	59.6	8.0	16.1	41.1	110.0	100.9	208.2	3.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	151	8.2	47.6	6.4	13.0	33.1	84.9	81.6	163.6	2.8
3715	TRUCK TRAILERS										
	ENTIRE INDUSTRY	178	22.4	142.8	17.8	34.7	102.0	259.1	424.6	682.9	21.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	160	21.2	134.6	17.0	32.8	96.4	243.8	409.0	652.8	21.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

AIRCRAFT AND PARTS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3721--Aircraft
3722--Aircraft Engines and Engine Parts
3729--Aircraft Parts and Auxiliary Equipment, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3721--AIRCRAFT

This industry comprises establishments primarily engaged in manufacturing or assembling complete aircraft. This industry also includes establishments primarily engaged in factory type aircraft modification on a contract or fee basis. Establishments primarily engaged in manufacturing engines, propellers, and other aircraft parts and auxiliary equipment are classified in industries 3722 and 3729. In industry 3721 there is usually a significant difference between value of actual physical shipments and value of work done during a specified period. This is primarily due to lead time between the input of materials and labor and the shipments of completed aircraft. In evaluating the internal relationships of the Aircraft Industry, such as the ratio of cost of materials or payrolls to output, the value of aircraft shipments for the year is generally not meaningful and value of work done is therefore substituted. This statistic included total costs (materials, labor, overhead, etc.) and reflected the value of work done during the year, including work done on aircraft not accepted during the year, but excluding the value of work done in prior years. For a detailed list of products of industry 3721, refer to table 6A, product codes 3721121 to 3721655.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of work done and other receipts of the Aircraft Industry in 1967 totaled $11,080 million. This included work done on aircraft (primary products), valued at $8,929 million, shipments of other products (secondary products) valued at $1,871 million, and miscellaneous receipts (mainly sales of products bought and resold) of $280 million.

This industry's value of work done on aircraft (primary products) in 1967 represented 83 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 69 percent. Secondary products shipped by this industry in 1967 consisted mainly of aircraft parts and auxiliary equipment ($1,320 million), and complete guided missiles ($435 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 59 percent of the total industry shipments are represented by plants specializing in product class 37211, Complete military aircraft.

Industry 3721 value of work done on aircraft (primary products) in 1967 represented 97 percent (coverage ratio) of these products valued at $9,172 million shipped by all industries. In 1963, the coverage ratio was 96 percent. Other industries performing work on aircraft (primary products) consisted mainly of Industry 3729, Aircraft Equipment, N.E.C., $166 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3721, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3722--AIRCRAFT ENGINE AND ENGINE PARTS

This industry comprises establishments primarily engaged in manufacturing aircraft engines and engine parts. For a detailed list of products of industry 3722, refer to table 6A, product codes 3722111 to 3722813.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Aircraft Engines and Parts Industry in 1967 totaled $5,290 million. This included shipments of aircraft engines and engine parts (primary products), valued at $4,420 million, shipments of other products (secondary products) valued at $607 million, and miscellaneous receipts (mainly sales of products bought and resold) of $262 million.

This industry's shipments of aircraft engines and engine parts (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent. Secondary products shipped by this industry in 1967 included aircraft parts and auxiliary equipment ($135 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 31 percent of the total industry shipments are represented by plants specializing in product class 37222, Aircraft engines for other than U.S. military customers; and 22 percent in product class 37221, Aircraft engines for U.S. military customers.

Industry 3722 shipments of aircraft engines and parts (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $4,782 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries

shipping aircraft engines and parts (primary products) included industry 3729, Aircraft Equipment, N.E.C., $112 million; and industry 3722, Aircraft Engines and Engine Parts, $62 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3722, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

3729--AIRCRAFT PARTS AND AUXILIARY EQUIPMENT, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing aircraft parts and auxiliary equipment, including propellers and propeller parts not elsewhere classified. Establishments primarily engaged in manufacturing or assembling complete aircraft are classified in industry 3721, aircraft engines and parts in industry 3722, aeronautical instruments in industry 3811, and aeronautical electrical equipment in industry 3694. For a detailed list of products of industry 3729, refer to table 6A, product codes 3729113 to 3729531.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been significantly changed from the classification system used in 1963. The change in composition of the industry as now constituted, compared with that under the classification system followed in the 1963 Census, is due principally to the addition of aircraft propellers and propeller parts, which was formerly industry 3723.

Value of shipments and other receipts of the Aircraft Equipment, N.E.C., Industry in 1967 totaled $4,694 million. This included shipments of aircraft equipment, n.e.c. (primary products), valued at $3,545 million, shipments of other products (secondary products) valued at $1,012 million, and miscellaneous receipts of $138 million.

This industry's shipments of aircraft equipment, n.e.c. (primary products) in 1967 represented 78 percent (specialization ratio) of its total product shipments (primary and secondary). Secondary products shipped by this industry in 1967 included aircraft ($166 million), complete guided missiles ($123 million), and aircraft engines and engine parts ($112 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 69 percent of the total industry shipments are represented by plants specializing in product class 37291, Aircraft parts and auxiliary equipment; and 11 percent in 37292, Guided missile conponents and subassemblies, n.e.c.

Industry 3729 shipments of aircraft equipment, n.e.c., (primary products) in 1967 represented 64 percent (coverage ratio) of these products valued at $5,542 million shipped by all industries. Other industries shipping aircraft equipment, n.e.c. (primary products) consisted mainly of industry 3721, Aircraft, $1,320 million; industry 3722, Aircraft Engines and Engine Parts, $135 million; and industry 1925, Complete Guided Missiles, $196 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3729, these establishments accounted for approximately 1 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture[3]	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3721.--AIRCRAFT[3]														
1967 Census	125	83	386.8	3,569.0	230.6	489.9	1,806.7	5,447.6	5,632.2	11,079.8	408.2	5,253.3	83	97
1966 ASM[1]	(NA)	(NA)	357.2	3,221.8	209.3	435.0	1,527.9	4,674.6	4,326.1	9,000.1	378.4	3,264.1	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	295.1	2,508.4	172.3	351.0	1,169.3	3,730.8	3,420.4	7,150.9	140.5	2,300.8	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	283.5	2,328.7	159.6	327.7	1,220.5	3,416.9	3,121.6	6,584.3	102.9	2,333.3	(NA)	(NA)
1963 Census	100	65	302.2	2,369.4	166.7	342.1	1,097.1	3,542.7	2,773.8	6,316.5	114.7	2,437.7	69	96
1962 ASM[1]	(NA)	(NA)	326.1	2,468.7	180.4	378.2	1,131.4	3,363.5	2,842.3	6,205.6	119.7	2,147.0	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	305.4	2,205.5	172.9	351.7	1,023.5	3,046.9	2,953.3	6,000.1	71.8	1,950.6	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	302.4	2,084.9	177.6	366.4	1,043.9	3,044.7	2,874.2	5,920.2	62.8	2,007.7	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	369.3	2,419.6	225.6	461.8	1,248.2	3,305.0	3,503.7	6,808.7	89.7	2,425.6	(NA)	(NA)
1958 Census[2]	127	82	377.4	2,340.3	251.2	508.2	1,334.7	3,399.2	3,038.9	6,438.1	94.2	2,476.9	81	93
INDUSTRY 3722.--AIRCRAFT ENGINES AND ENGINE PARTS														
1967 Census	255	202	195.4	1,778.5	112.6	245.8	875.2	2,922.1	2,390.6	5,289.7	224.4	1,056.7	88	92
1966 ASM[1] r	(NA)	(NA)	182.5	1,623.0	104.9	233.2	800.9	2,657.7	1,973.7	4,424.6	194.9	1,049.0	(NA)	(NA)
1965 ASM[1] r	(NA)	(NA)	172.3	1,446.4	94.6	201.1	669.6	2,323.9	1,696.5	3,931.1	105.4	725.2	(NA)	(NA)
1964 ASM[1] r	(NA)	(NA)	170.5	1,392.2	88.7	189.1	612.8	2,175.2	1,625.1	3,751.9	96.0	636.1	(NA)	(NA)
1963 Census r	231	171	188.1	1,460.7	103.5	216.8	682.5	2,208.2	1,837.3	4,024.9	111.5	598.6	87	93
1962 ASM[1]	(NA)	(NA)	178.6	1,331.1	103.0	216.0	646.0	1,984.0	1,686.6	3,660.5	78.5	591.3	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	162.9	1,162.6	94.1	197.6	571.3	1,759.3	1,507.0	3,242.4	54.4	580.8	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	165.8	1,144.8	94.6	197.3	556.6	1,633.0	1,473.2	3,094.9	46.7	563.5	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	171.8	1,258.5	202.2	212.9	581.9	1,813.7	1,676.6	3,507.1	64.1	524.4	(NA)	(NA)
1958 Census[2]	223	175	159.1	999.2	94.5	194.9	509.7	1,615.7	1,719.1	3,512.1	55.9	570.8	94	93
INDUSTRY 3729.--AIRCRAFT EQUIPMENT, N.E.C.														
1967 Census	893	547	219.8	1,861.9	146.1	311.9	1,111.0	2,957.3	1,761.5	4,694.4	166.3	966.7	78	64
1966 ASM[1]	(NA)	(NA)	199.9	1,649.9	136.8	294.3	1,000.2	2,591.8	1,613.6	3,992.3	110.9	909.5	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	168.9	1,383.5	107.6	228.6	769.8	2,138.5	1,190.7	3,233.6	65.6	652.9	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	179.5	1,420.9	109.9	235.1	759.1	2,061.8	1,167.0	3,223.3	64.4	571.8	(NA)	(NA)
1963 Census	1,014	478	186.4	1,398.2	117.6	246.3	783.2	2,080.3	1,237.3	3,359.4	67.9	558.3	73	60
1962 ASM[1]	(NA)	(NA)	210.5	1,534.3	118.2	247.1	752.8	2,119.1	1,786.5	3,857.2	93.3	573.4	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	220.8	1,546.2	128.8	272.5	788.6	2,150.4	2,023.6	4,131.2	100.2	579.1	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	210.5	1,386.5	137.0	289.7	798.7	1,901.1	1,493.2	3,345.2	69.7	640.3	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	211.7	1,357.7	141.9	301.5	800.5	1,841.8	1,401.4	3,204.4	(S)	646.4	(NA)	(NA)
1958 Census[2]	1,219	518	229.0	1,380.5	153.7	316.1	831.4	1,909.5	1,261.6	3,266.4	56.1	657.0	83	64

Note: In 1967, 1963, and 1958, the number of companies in industry 3721 was 91, 82, and 113, respectively; in industry 3722: 205, 194, and 186; industry 3729: 825, 948, and 1165. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Establishments in this industry reported value of work done rather than value of shipments. Consequently the formula for computing value added by manufacture was not adjusted for inventory change between the beginning and end of the year. It does include value added by resale.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3721.--AIRCRAFT								
1967 Census	9,227	60	2,124	3.69	.51	.83	14,084	66	11.12
1966 ASM	9,019	59	2,079	3.51	.48	.84	13,086	69	10.75
1965 ASM	8,061	58	2,037	3.33	.48	.81	12,643	64	10.63
1964 ASM	8,213	56	2,053	3.72	.47	.83	12,051	68	10.43
1963 Census	7,841	55	2,052	3.21	.44	.81	11,723	67	10.36
1962 ASM	7,569	55	2,097	2.99	.46	.86	10,313	73	8.89
1961 ASM	7,221	57	2,034	2.91	.49	.86	9,976	72	8.66
1960 ASM	6,894	59	2,063	2.85	.49	.84	10,068	68	8.31
1959 ASM	6,553	61	2,047	2.70	.51	.87	8,951	73	7.16
1958 Census	6,201	67	2,023	2.63	.47	.84	9,007	69	6.69
	INDUSTRY 3722.--AIRCRAFT ENGINES AND ENGINE PARTS								
1967 Census	9,102	58	2,183	3.56	.45	.79	14,954	61	11.89
1966 ASM	8,981	57	2,219	3.43	.44	.81	14,702	61	11.70
1965 ASM	8,380	54	2,133	3.32	.42	.79	13,818	61	12.01
1964 ASM	8,275	51	2,129	3.23	.42	.79	13,203	63	12.19
1963 Census	7,787	55	2,097	3.18	.46	.82	11,761	66	10.11
1962 ASM	7,451	58	2,096	2.99	.46	.82	11,107	67	9.18
1961 ASM	7,138	58	2,101	2.89	.46	.82	10,801	66	8.90
1960 ASM	6,906	57	2,086	2.82	.48	.85	9,851	70	8.28
1959 ASM	6,745	59	2,104	2.73	.48	.81	10,560	64	8.52
1958 Census	6,281	59	2,061	2.62	.49	.77	10,155	62	8.29
	INDUSTRY 3729.--AIRCRAFT EQUIPMENT, N.E.C.								
1967 Census	8,471	66	2,135	3.56	.38	.75	13,455	63	9.48
1966 ASM	8,211	69	2,148	3.40	.40	.82	12,962	63	8.74
1965 ASM	8,170	64	2,119	3.37	.37	.80	12,603	65	9.26
1964 ASM	7,914	62	2,139	3.23	.36	.80	11,522	69	8.73
1963 Census	7,533	64	2,089	3.20	.37	.78	11,229	67	8.45
1962 ASM	7,285	56	2,080	3.06	.47	.86	10,066	72	8.63
1961 ASM	7,017	59	2,110	2.90	.49	.87	9,809	72	7.93
1960 ASM	6,582	66	2,116	2.75	.45	.86	9,007	73	6.49
1959 ASM	6,414	67	2,129	2.65	.44	.86	8,717	74	6.08
1958 Census	6,065	67	2,059	2.64	.38	.81	8,418	72	6.06

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3721-- AIRCRAFT													
UNITED STATES	125	83	386.8	3 569.0	230.6	489.9	1 806.7	5 447.6	5 632.2	11 079.8	408.2	302.2	3 542.7
NORTHEAST REGION	17	14	59.6	561.1	32.7	67.4	262.1	1 075.5	649.4	1 725.0	62.2	59.6	709.1
NEW ENGLAND DIVISION	6	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
CONNECTICUT	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)		
MIDDLE ATLANTIC DIVISION	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
NEW JERSEY	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
PENNSYLVANIA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)		
NORTH CENTRAL REGION	24	17	68.1	579.4	44.4	94.5	322.2	811.0	953.2	1 764.2	23.8	50.5	519.9
EAST NORTH CENTRAL DIVISION	14	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MICHIGAN	5	5	.3	2.3	.3	.5	1.7	3.6	1.8	5.3	.1	(D)	(D)
WEST NORTH CENTRAL DIVISION	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
KANSAS	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
SOUTH REGION	42	29	91.6	828.2	58.5	126.5	446.0	1 329.9	1 693.4	3 023.3	90.5	59.6	572.5
SOUTH ATLANTIC DIVISION	20	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	.8
GEORGIA	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2] (D)
FLORIDA	13	8	4.9	33.4	3.8	8.4	23.0	54.1	21.4	75.5	2.9	(D)	(D)
EAST SOUTH CENTRAL DIVISION	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
WEST SOUTH CENTRAL DIVISION	19	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
LOUISIANA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2] (D)
OKLAHOMA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	14	11	50.2	466.9	32.7	71.9	259.3	804.0	997.0	1 801.0	(D)	28.8	304.5
WEST REGION	42	23	167.6	1 600.2	95.1	201.6	776.4	2 231.2	2 336.2	4 567.4	231.7	132.5	1 741.2
MOUNTAIN DIVISION	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WYOMING	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
PACIFIC DIVISION	37	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WASHINGTON	8	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2] (D)
CALIFORNIA	28	17	95.9	930.1	62.3	133.8	527.4	1 457.0	1 159.2	2 616.2	57.3	[2](D)	[2] (D)
3722-- AIRCRAFT ENGINES AND ENGINE PARTS													
UNITED STATES	255	202	195.4	1 778.5	112.6	245.8	875.2	2 922.1	2 390.6	5 289.7	224.4	190.8	2 244.3
NORTHEAST REGION	102	84	99.3	857.0	63.1	141.6	485.5	1 442.6	1 368.5	2 817.5	121.7	70.6	805.0
NEW ENGLAND DIVISION	65	54	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	50.0	559.9
MAINE	4	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
NEW HAMPSHIRE	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VERMONT	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
MASSACHUSETTS	13	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
CONNECTICUT	41	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
MIDDLE ATLANTIC DIVISION	37	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	20.6	245.1
NEW YORK	19	15	11.2	110.8	6.1	13.7	49.2	155.3	67.7	218.3	8.4	[2](D)	[2](D)
NEW JERSEY	9	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2](D)
PENNSYLVANIA	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	65.8
NORTH CENTRAL REGION	73	62	54.1	495.1	32.7	67.7	257.1	730.8	703.5	1 453.2	73.1	44.0	528.6
EAST NORTH CENTRAL DIVISION	69	59	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	42.0	505.0
OHIO	23	21	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	21.7	261.8
INDIANA	15	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	10	8	2.6	23.8	2.0	4.2	15.7	42.7	18.8	62.9	1.7	1.9	26.1
MICHIGAN	20	15	4.0	30.1	2.8	5.5	18.1	46.1	22.1	67.9	3.2	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	23.6
IOWA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	27	20	10.3	92.8	5.0	10.9	36.8	135.9	64.4	188.9	5.3	15.0	151.8
SOUTH ATLANTIC DIVISION	15	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	11	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	10	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	7	5	1.2	11.2	.6	1.4	4.5	16.7	12.4	26.8	[2] (D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3722-- AIRCRAFT ENGINES AND ENGINE PARTS --CON.													
WEST REGION	53	36	31.7	333.6	11.9	25.6	95.8	612.8	254.1	830.2	24.3	61.2	759.0
MOUNTAIN DIVISION	12	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ARIZONA[e]	5	3	.2	1.9	.2	.4	1.4	2.9	1.9	4.8	.2	[2] (D)	[2] (D)
UTAH	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
PACIFIC DIVISION	41	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	40	27	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	45.8	567.1
3729-- AIRCRAFT EQUIPMENT, NEC													
UNITED STATES	893	547	219.8	1 861.9	146.1	211.9	111.0	2 957.3	1 761.5	4 694.4	166.3	175.2	1 966.9
NORTHEAST REGION	192	117	44.4	398.3	24.8	53.4	176.8	663.7	375.1	1 029.5	28.5	(D)	(D)
NEW ENGLAND DIVISION	52	29	14.0	122.8	8.4	17.8	60.6	186.9	106.4	284.6	(D)	(D)	(D)
MASSACHUSETTS	10	5	.7	5.2	.5	1.1	3.6	6.6	1.7	8.8	.3	[2] (D)	(D)
RHODE ISLAND	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	3.2
CONNECTICUT	36	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.0	45.3
MIDDLE ATLANTIC DIVISION	140	88	30.4	275.6	16.4	35.6	116.2	476.8	268.7	745.0	(D)	24.9	264.4
NEW YORK	79	48	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.4	93.8
NEW JERSEY	30	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	45.8
PENNSYLVANIA	31	25	12.7	127.1	4.8	10.5	32.8	239.4	117.5	356.4	9.0	11.3	124.7
NORTH CENTRAL REGION	187	116	64.5	537.9	42.4	90.4	320.8	840.8	470.6	1 294.2	54.1	(D)	(D)
EAST NORTH CENTRAL DIVISION	126	77	37.5	325.6	24.2	53.4	187.6	519.6	391.1	885.0	39.5	30.2	297.1
OHIO	55	35	19.1	167.0	13.1	28.4	98.1	271.3	198.6	465.2	9.9	(D)	(D)
INDIANA	11	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ILLINOIS	15	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.4	37.4
MICHIGAN	43	25	7.0	56.9	3.9	8.6	29.5	101.3	68.8	166.4	4.4	5.4	58.7
WISCONSIN	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST NORTH CENTRAL DIVISION	61	39	27.1	212.3	18.2	37.0	133.2	321.2	79.5	409.2	14.5	(D)	(D)
MINNESOTA[e]	5	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MISSOURI	18	14	1.9	12.2	1.3	2.8	7.9	26.6	12.2	37.1	1.0	1.2	9.3
KANSAS	34	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
SOUTH REGION	98	68	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	24.6	240.5
SOUTH ATLANTIC DIVISION	35	22	9.2	73.1	5.0	9.8	36.3	117.0	51.7	212.1	4.1	15.8	156.4
DELAWARE	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
MARYLAND	3	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
GEORGIA	6	5	.3	1.6	.3	.5	1.1	-4.1	6.2	10.0	.1	[2] (D)	[2] (D)
FLORIDA	20	10	.9	7.3	.7	1.5	4.5	12.6	5.7	18.3	1.0	1.1	9.0
EAST SOUTH CENTRAL DIVISION	11	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ALABAMA	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
WEST SOUTH CENTRAL DIVISION	52	36	12.9	101.5	8.3	17.4	50.1	193.4	67.6	247.3	9.7	5.1	53.7
ARKANSAS	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
LOUISIANA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	15.0
TEXAS	39	27	7.1	55.8	4.9	10.2	28.2	100.8	50.5	150.7	5.7	(D)	(D)
WEST REGION	416	246	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MOUNTAIN DIVISION	24	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	9	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
ARIZONA	12	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	24.3
PACIFIC DIVISION	392	231	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	44.4	527.8
WASHINGTON	28	17	3.7	27.1	2.4	5.2	17.9	61.0	56.6	109.5	5.6	[2] (D)	[2] (D)
OREGON	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2] (D)	[2] (D)
CALIFORNIA	361	212	60.6	513.7	45.1	97.3	355.6	761.8	523.2	1 281.4	45.6	41.6	501.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Aircraft (SIC 3721)	Aircraft engines and parts (SIC 3722)	Aircraft equipment, n.e.c. (SIC 3729)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.83	.88	.78
COVERAGE RATIO[2]	.97	.92	.64
ESTABLISHMENTS, TOTAL .NUMBER	125	255	893
WITH 1 TO 19 EMPLOYEES .DO	42	53	346
WITH 20 TO 99 EMPLOYEES .DO	29	84	282
WITH 100 EMPLOYEES OR MORE .DO	54	118	265
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	386.8	195.4	219.8
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	3 569.0	1 778.5	1 861.9
PRODUCTION WORKERS:			
AVERAGE FOR YEAR 1,000	230.6	112.6	146.1
MARCH .DO	204.3	115.8	147.0
MAY .DO	205.7	113.7	147.9
AUGUST .DO	212.6	108.7	147.6
NOVEMBER .DO	299.9	112.2	142.0
MAN-HOURS .MILLIONS	489.9	245.8	311.9
JANUARY-MARCH .DO	117.9	63.1	77.6
APRIL-JUNE .DO	119.8	62.8	79.2
JULY-SEPTEMBER .DO	122.5	57.9	75.3
OCTOBER-DECEMBER .DO	129.8	62.0	79.9
WAGES MILLION DOLLARS	1 806.7	875.2	1 111.0
COST OF MATERIALS, ETC., TOTAL .DO	5 632.2	2 390.6	1 761.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	5 185.2	1 952.9	1 420.6
COST OF RESALES .DO	163.0	146.4	27.4
FUELS CONSUMED .DO	10.8	9.6	8.1
PURCHASED ELECTRIC ENERGY .DO	28.1	25.7	25.4
CONTRACT WORK .DO	245.3	256.0	280.1
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	[3]11 079.8	5 289.7	4 694.4
VALUE OF RESALES .DO	207.8	167.4	28.0
VALUE ADDED BY MANUFACTURE .DO	5 447.6	2 922.1	2 957.3
MANUFACTURERS' INVENTORIES:			
BEGINNING OF YEAR, TOTAL .DO	3 163.5	1 058.3	911.8
FINISHED PRODUCTS .DO	56.6	208.6	84.2
WORK IN PROCESS .DO	2 527.4	573.1	695.3
MATERIALS, SUPPLIES, FUEL, ETC. .DO	579.5	276.6	132.2
END OF YEAR, TOTAL .DO	5 253.3	1 056.7	966.7
FINISHED PRODUCTS .DO	92.4	198.5	95.3
WORK IN PROCESS .DO	4 157.9	606.2	708.7
MATERIALS, SUPPLIES, FUEL, ETC. .DO	1 003.0	251.9	162.7
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	474.9	232.4	174.5
NEW PLANT AND EQUIPMENT, TOTAL .DO	408.2	224.4	166.3
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	163.0	50.0	39.4
NEW MACHINERY AND EQUIPMENT .DO	245.3	174.4	127.0
USED PLANT AND EQUIPMENT .DO	66.7	8.0	8.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]Represents value of work done rather than value of shipments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3721-- AIRCRAFT											
ESTABLISHMENTS, TOTAL	125	386.8	3 569.0	230.6	489.9	1 806.7	5 447.6	5 632.2	[1]11 079.8	408.2	5 253.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	22	(Z)	.2	(Z)	(Z)	.1	.4	.2	.6	.7	.1
5 TO 9 EMPLOYEES[c]	12	.1	.6	.1	.1	.4	1.0	.5	1.5	(D)	.3
10 TO 19 EMPLOYEES	8	.1	.7	.1	.2	.5	1.4	1.0	2.5	(D)	.4
20 TO 49 EMPLOYEES	12	.4	2.8	.3	.5	1.7	4.5	5.6	10.0	.4	6.5
50 TO 99 EMPLOYEES	17	1.1	8.8	.8	1.6	5.3	15.2	8.8	23.9	1.6	4.9
100 TO 249 EMPLOYEES[c]	7	1.0	8.3	.8	1.6	5.2	15.4	5.7	21.1	(D)	3.4
250 TO 499 EMPLOYEES	10	3.7	29.3	2.4	4.9	15.6	43.4	20.8	64.2	1.0	11.8
500 TO 999 EMPLOYEES	9	6.4	43.7	4.8	9.1	26.9	70.0	40.3	110.3	1.6	32.0
1,000 TO 2,499 EMPLOYEES	5	8.1	59.5	5.6	11.8	37.2	82.1	61.0	143.2	4.5	75.9
2,500 EMPLOYEES OR MORE	23	365.9	3 415.0	215.7	460.0	1 713.7	5 214.2	5 488.2	10 702.5	398.5	5 118.1
ESTABS. COVERED BY ADMIN. RECORDS[2]	26	.3	3.2	.2	.4	1.5	4.2	2.5	6.7	1.2	1.4
3722-- AIRCRAFT ENGINES AND ENGINE PARTS											
ESTABLISHMENTS, TOTAL	255	195.4	1 778.5	112.6	245.8	875.2	2 922.1	2 390.6	5 289.7	224.4	1 056.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[c]	24	(Z)	.4	(Z)	.1	.2	.9	.6	1.5	(Z)	.2
5 TO 9 EMPLOYEES[c]	9	.1	.6	(Z)	.1	.3	.9	.5	1.4	(Z)	.2
10 TO 19 EMPLOYEES	20	.3	2.3	.2	.4	1.4	3.8	2.5	6.0	.4	.5
20 TO 49 EMPLOYEES	53	1.8	14.9	1.4	3.1	9.7	25.8	8.6	33.7	2.5	3.4
50 TO 99 EMPLOYEES	31	2.1	17.0	1.7	3.8	11.5	30.5	12.7	42.5	1.8	4.2
100 TO 249 EMPLOYEES	49	7.9	63.6	5.9	13.0	41.4	102.6	57.1	158.7	6.7	23.3
250 TO 499 EMPLOYEES	17	5.9	47.6	4.3	9.5	29.2	75.8	47.2	117.2	8.1	24.4
500 TO 999 EMPLOYEES	16	10.4	86.1	7.0	14.3	50.6	128.4	92.2	209.7	4.7	45.7
1,000 TO 2,499 EMPLOYEES	22	33.3	297.9	19.0	40.9	147.3	497.7	264.2	754.4	34.4	122.9
2,500 EMPLOYEES OR MORE	14	133.6	1 248.2	73.0	160.7	583.7	2 055.8	1 905.1	3 964.7	165.7	832.1
ESTABS. COVERED BY ADMIN. RECORDS[2]	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3729-- AIRCRAFT EQUIPMENT, NEC											
ESTABLISHMENTS, TOTAL	893	219.8	1 861.9	146.1	311.9	1 111.0	2 957.3	1 761.5	4 694.4	166.3	966.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[c]	176	.3	2.2	.3	.5	1.2	4.9	2.5	7.4	.4	2.5
5 TO 9 EMPLOYEES[c]	76	.5	3.8	.4	.8	2.6	7.7	3.1	10.7	.5	2.0
10 TO 19 EMPLOYEES	94	1.3	9.9	1.0	2.2	7.2	19.0	6.4	24.6	1.2	2.9
20 TO 49 EMPLOYEES	160	4.8	36.6	3.8	7.9	25.1	67.7	37.4	102.9	3.7	13.1
50 TO 99 EMPLOYEES	122	8.7	67.2	6.7	14.6	45.2	117.9	69.1	182.2	8.8	29.3
100 TO 249 EMPLOYEES	137	21.7	169.1	15.9	35.2	109.9	298.6	199.4	485.0	13.7	101.3
250 TO 499 EMPLOYEES	58	20.4	156.6	15.1	33.5	104.3	295.2	165.6	442.3	16.7	100.1
500 TO 999 EMPLOYEES	30	21.4	164.3	15.3	31.4	103.0	313.7	200.2	510.0	20.4	105.8
1,000 TO 2,499 EMPLOYEES	22	33.5	279.5	22.1	47.1	168.3	446.5	252.4	680.4	21.4	186.8
2,500 EMPLOYEES OR MORE	18	107.1	972.7	65.5	138.8	544.3	1 386.2	825.3	2 248.9	79.6	422.9
ESTABS. COVERED BY ADMIN. RECORDS[2]	170	.4	2.8	.4	.6	1.5	6.2	3.3	9.6	.3	3.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [c]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Represents value of work done rather than value of shipments.

[2]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3721	Aircraft.....1967..	[1]11,079.8	[1]8,928.9	[1]1,871.2	[1]279.7	[1]83	9,172.2	8,928.9	243.3	97
	1963..	6,316.5	4,164.1	1,898.4	254.0	69	4,330.5	4,164.1	166.4	96
3722	Aircraft engines and engine parts.....1967..	5,289.7	4,420.1	607.3	262.3	88	4,781.7	4,420.1	361.6	92
	1963..	4,100.5	3,366.6	495.5	238.5	87	3,609.7	3,366.6	243.1	93
3729	Aircraft equipment, n.e.c.....1967..	4,694.4	3,544.9	1,011.7	137.8	78	5,542.2	3,544.9	1,997.3	64
	1963..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised.

[1]Figures represent value of work done rather than value of shipments.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Aircraft (SIC 3721)	Aircraft engines and engine parts (SIC 3722)	Aircraft equipment, n.e.c. (SIC 3729)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	11,079.8	5,289.7	4,694.4	(X)
3721-	Aircraft.....	[2]9,172.2	8,928.9	[2]21.1	[2]165.9	[2]56.3
37211	Complete aircraft, military type.....	4,408.0	(2,000-5,000)	(2-5)	-	(under 2)
37212	Complete aircraft, personal and utility type.....	3,504.9	3,503.1	-	(under 2)	(under 2)
37213	Complete aircraft, commercial transport type.....					
37214	Modifications, conversions, and overhaul of previously accepted aircraft.....	596.8	419.6	(10-20)	(100-200)	(10-20)
37216	Other aeronautical services on aircraft.....	635.2	574.7	(under 2)	(10-20)	(20-50)
37210	Aircraft, n.s.k.....	27.3	(20-50)	-	-	(under 2)
3722-	Aircraft engines and engine parts.....	4,781.7	62.1	4,420.1	112.3	187.2
37221	Aircraft engines for U.S. military customers.....	1,087.6	(under 2)	1,081.8	-	(5-10)
37222	Aircraft engines for other than U.S. military customers	690.7	-	(500-1,000)	-	(20-50)
37223	Aeronautical services on aircraft engines.....	526.5	-	(500-1,000)	-	(2-5)
37224	Aircraft engine parts and accessories.....	1,422.9	0.4	1,230.7	96.3	95.5
37225	Complete missile or space vehicle engines and/or propulsion units.....	451.7	(50-100)	(200-500)	-	(5-10)
37226	Research and development on complete missile or space vehicle engines and/or propulsion units.....	389.1	(5-10)	348.6	-	(20-50)
37227	All other services and complete missile or space vehicle engines and/or propulsion units.....	88.4	(Z)	(50-100)	-	(2-5)
37228	Missile and space vehicle engine and/or propulsion unit parts and accessories.....	93.9	(2-5)	68.6	15.2	(5-10)
37220	Aircraft engines and engine parts, n.s.k.....	30.9	0.6	29.5	0.8	-
3729-	Aircraft equipment, n.e.c.....	5,542.2	1,319.8	135.3	3,544.9	542.2
37291	Aircraft parts and accessories, n.e.c.....	4,085.4	1,231.9	57.0	2,431.2	365.3
37292	Missile and space vehicle parts and subassemblies, n.e.c.....	674.0	(50-100)	45.3	447.6	(100-200)
37293	Research and development on aircraft parts.....	85.7	5.6	(under 2)	(50-100)	(10-20)
37294	Research and development on missile and space vehicle parts and components, n.e.c.....	403.2	(10-20)	(5-10)	333.2	41.7
37295	Aircraft propellers and propeller parts.....	119.5	(under 2)	(20-50)	(50-100)	-
37290	Aircraft equipment, n.e.c., n.s.k.....	174.4	-	(under 2)	173.3	(under 2)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Aircraft (SIC 3721)	Aircraft engines and engine parts (SIC 3722)	Aircraft equipment, n.e.c. (SIC 3729)	Other industries
	Other product shipments by 4-digit product group					
1911	Guns, howitzers, and mortars	(X)	(under 2)	(over 2)	(under 2)	(X)
1925	Complete guided missiles	(X)	435.1	(10-20)	122.6	(X)
1929	Ammunition, except for small arms, n.e.c.	(X)	-	(50-100)	54.3	(X)
1931	Tanks and tank components	(X)	(under 2)	(20-50)	3.4	(X)
1999	Ordnance and accessories, n.e.c.	(X)	(over 2)	18.4	45.7	(X)
2431	Millwork	(X)	-	-	(over 2)	(X)
2522	Metal office furniture	(X)	-	-	(5-10)	(X)
3079	Miscellaneous plastic products	(X)	(under 2)	(under 2)	(20-50)	(X)
3443	Fabricated platework (boiler shop products)	(X)	-	(under 2)	(20-50)	(X)
3461	Metal stampings	(X)	-	-	(2-5)	(X)
3491	Metal barrels, drums and pails	(X)	-	-	(2-5)	(X)
3494	Valves and pipe fittings	(X)	-	(under 2)	(2-5)	(X)
3511	Steam engines and turbines	(X)	-	(50-100)	(10-20)	(X)
3519	Internal combustion engines, n.e.c.	(X)	-	30.3	-	(X)
3531	Construction machinery	(X)	-	(under 2)	(over 2)	(X)
3533	Oilfield machinery	(X)	-	-	(2-5)	(X)
3544	Special dies, tools, jigs, and fixtures	(X)	(under 2)	3.1	8.5	(X)
3548	Metalworking machinery, n.e.c.	(X)	-	(under 2)	4.1	(X)
3554	Paper industries machinery	(X)	-	(under 2)	(over 2)	(X)
3561	Pumps and compressors	(X)	(under 2)	3.1	7.7	(X)
3566	Power transmission equipment	(X)	-	(20-50)	(5-10)	(X)
3569	General industrial machinery, n.e.c.	(X)	-	(under 5)	(5-10)	(X)
3585	Refrigeration machinery	(X)	(under 2)	(under 2)	(20-50)	(X)
3586	Measuring and dispensing pumps	(X)	-	-	(over 2)	(X)
3611	Electric measuring instruments	(X)	(under 2)	(under 2)	2.4	(X)
3621	Motors and generators	(X)	-	(over 2)	3.9	(X)
3634	Electric housewares and fans	(X)	-	-	(5-10)	(X)
3662	Radio and TV communication equipment	(X)	32.7	55.6	123.0	(X)
3714	Motor vehicle parts and accessories	(X)	(under 2)	(20-50)	(2-5)	(X)
3731	Ship building and repairing	(X)	-	(over 2)	(under 2)	(X)
3741	Locomotives and parts	(X)	-	(over 2)	(under 2)	(X)
3742	Railroad and street cars	(X)	-	(2-5)		(X)
3811	Engineering and scientific instruments	(X)	(under 2)	(2-5)	(2-5)	(X)
3999	Manufactured products, n.e.c.	(X)	-	(under 2)	(10-20)	(X)
	Other product shipments by 4-digit product group					
	Miscellaneous receipts, total	(X)	279.7	262.3	137.8	(X)
	Contract work	(X)	25.0	40.4	56.2	(X)
	Sales of products bought and resold without further manufacture	(X)	207.8	167.4	28.0	(X)
	Sales of scrap and refuse	(X)	10.1	6.3	6.6	(X)
	Receipts for region work	(X)	(under 2)	(5-10)	36.9	(X)
	Receipts for installation	(X)	(under 2)	(under 2)	0.7	(X)
	Receipts for research and development work not attributable to aircraft; aircraft engines; aircraft parts; missile systems; space vehicle systems; complete missile or space vehicle engines and/or propulsion units; and/or missile and space vehicle components	(X)	(under 2)	26.5	2.2	(X)
	Other miscellaneous receipts	(X)	34.8	11.9	7.2	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3721	1925 Complete guided missiles	(50-100)
	3679 Electronic components, n.e.c.	(over 2)
3722	1925 Complete guided missiles	44.3
	1941 Sighting and fire control equipment	(5-10)
	3356 Nonferrous rolling and drawing, n.e.c.	(10-20)
	3461 Metal stamping	(2-5)
	3494 Valves and pipe fittings	21.3
	3497 Metal foil and leaf	(over 2)
	3511 Steam engines and turbines	(20-50)
	3519 Internal combustion engines, n.e.c.	9.0
3722	3599 Miscellaneous machinery, except electrical	(2-5)
	3621 Motors and generators	(5-10)
	3662 Radio and TV communication equipment	(over 2)
	3714 Motor vehicle parts and accessories	32.7
3729	1925 Complete guided missiles	196.3
	1929 Ammunition, except for small arms, n.e.c.	(20-50)
	1941 Sighting and fire control equipment	(2-5)
	1999 Ordnance and accessories, n.e.c.	25.0
	2531 Public building furniture	(5-10)
	3069 Fabricated rubber products, n.e.c.	(10-20)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products--Continued	
3729	3293 Gaskets and insulation	(over 2)
	3392 Nonferrous forgings	(over 2)
	3443 Fabricated platework (boiler shops)	(2-5)
	3494 Valves and pipe fittings	(5-10)
	3511 Steam engines and turbines	(50-100)
	3519 Internal combustion engines, n.e.c.	(2-5)
	3522 Farm machinery	(2-5)
	3544 Special dies, tools, jigs, and fixtures	(2-5)
	3548 Metalworking machinery, n.e.c.	(5-10)
	3559 Special industry machinery, n.e.c.	(2-5)
	3561 Pumps and compressors	16.1
	3573 Electronic computing equipment	(2-5)
	3621 Motors and generators	(10-20)
	3662 Radio and TV communication equipment	45.8
	3679 Electronic components, n.e.c.	4.4
	3714 Motor vehicle parts and accessories	4.2
	3731 Ship building and repairing	(over 2)
	3742 Railroad and street cars	(10-20)
	3811 Engineering and scientific instruments	(2-5)
	3949 Sporting and athletic goods, n.e.c.	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of work done (million dollars)	
		1967	1963
3721- --	AIRCRAFT, TOTAL[1]	9,172.2	4,330.5
37211 --	Value of work done on aircraft, military type, for U.S. military customers, excluding modifications, conversions, and other aeronautical services	4,408.0	2,470.3
37211 21	Fixed wing aircraft	4,408.0	2,470.3
37211 23	Helicopters, autogyros, and other VTOL vehicles		
37211 25	Balloons, gliders, and other aircraft, n.e.c.		
37212 00	Personal and utility type aircraft other than for U.S. military customers	3,504.9	157.8
37213 00	Commercial transport type aircraft, other than for U.S. military customers		561.1
37214 --	Modifications, conversions, and overhaul of previously accepted aircraft	596.8	465.5
37214 11	For U.S. military customers	510.2	430.9
37214 51	For other than U.S. military customers	79.6	34.6
37214 00	Modifications, conversions, and overhaul of previously accepted aircraft, n.s.k.	7.0	-
37216 --	Other aeronautical services on aircraft	635.2	668.4
	For U.S. military customers:		
37216 13	Research and development on complete military aircraft	303.8	620.7
37216 15	All other aeronautical services on complete military aircraft	212.6	
	For other than U.S. military customers:		
37216 53	Research and development on complete nonmilitary aircraft	118.8	47.7
37216 55	All other aeronautical services on complete nonmilitary aircraft		
37210 00	Aircraft, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	26.3	7.5
37210 02	Aircraft, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	1.0	

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3722- --	AIRCRAFT ENGINES AND ENGINE PARTS, TOTAL	(X)	4,781.7	(X)	r3,534.1
37221 --	Aircraft engines for U.S. military customers	(X)	1,087.6	(X)	644.4
37221 11	Reciprocating	(X)	1,087.6	(X)	644.4
37221 14	Turbo-jet and turbo-fan				
37221 17	Turbo-prop and turbo-shaft				
37221 39	Other, including JATO bottles and liquid power plants (excluding all missile engines)				
	Aircraft engines for other than U.S. military customers:				
37222 00	As reported in the census of manufactures	(NA)	690.7	11.9	150.0
	As reported on Census monthly Form M37C	(NA)	652.0	(NA)	144.3
37223 --	Aeronautical services on aircraft engines	(X)	526.5	(X)	385.4
	Research and development work on aircraft engines (including receipts for work done for affiliates and other establishments):				
37223 21	For U.S. military customers	(X)	393.0	(X)	326.8
37223 23	For other than U.S. military customers	(X)	(2)	(X)	(2)
	All other aeronautical services on aircraft engines:				
37223 31	For U.S. military customers	(X)	36.3	(X)	37.4
37223 33	For other than U.S. military customers	(X)	294.8	(X)	221.2
37223 00	Aeronautical services on aircraft engines, n.s.k.	(X)	2.4	(X)	-
37224 --	Aircraft engine parts and accessories	(X)	1,422.9	(X)	932.1
37224 13	For U.S. military customers	(X)	907.1	(X)	668.8
37224 53	For other than U.S. military customers	(X)	503.3	(X)	262.9
37224 00	Aircraft engine parts and accessories, n.s.k.	(X)	12.5	(X)	0.3
37225 --	Complete missile or space vehicle engines and/or propulsion units	(X)	451.7	(X)	r507.0
37225 11	For U.S. Government military customers	(X)	304.2	(X)	457.9
37225 13	For U.S. Government nonmilitary customers	(X)	147.5	(X)	r49.1

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity	Value (million dollars)	Quantity	Value (million dollars)
	AIRCRAFT ENGINES AND ENGINE PARTS--Continued				
37226 --	Research and development on complete missile or space vehicle engines and/or propulsion units	(X)	389.1	(X)	696.8
37226 11	For U.S. Government military customers	(X)	261.3	(X)	475.5
37226 13	For U.S. Government nonmilitary customers	(X)	127.8	(X)	221.2
37227 --	All other services on complete missile or space vehicle engines and/or propulsion units	(X)	88.4	(X)	61.7
37227 11	For U.S. Government military customers	(X)	88.4	(X)	54.3
37227 13	For U.S. Government nonmilitary customers	(X)		(X)	7.4
37228 --	Missile and space vehicle engine and/or propulsion unit parts and accessories	(X)	93.9	(X)	147.8
37228 11	For U.S. Government military customers	(X)	51.2	(X)	75.1
37228 13	For U.S. Government nonmilitary customers	(X)	40.6	(X)	72.7
37228 00	Missile and space vehicle engine and/or propulsion unit parts and accessories, n.s.k.	(X)	2.1	(X)	-
37220 00	Aircraft engines and engine parts, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	29.7	(X)	8.9
37220 02	Aircraft engines and engine parts, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	1.2		

Product code	Product	Total shipments including interplant transfers (million dollars)	
		1967	1963
3729- --	AIRCRAFT PARTS AND AUXILIARY EQUIPMENT, N.E.C., TOTAL	5,542.2	3,901.0
37291 --	Aircraft parts and auxiliary equipment	4,085.4	2,215.3
	Aircraft and related engines and power take-off gears:		
37291 13	For United States military customers	778.9	171.4
37291 15	For other than United States military customers	443.8	74.0
	Other aircraft subassemblies and parts:		
37291 95	For United States military customers	1,766.4	1,454.7
37291 97	For other than United States military customers	1,005.5	460.1
37291 00	Aircraft parts and auxiliary equipment, n.s.k	90.8	55.1
37292 --	Guided missile components and subassemblies, n.e.c	674.0	1,009.2
	For United States Government military customers:		
37292 11	Airframes	203.5	87.5
37292 13	Space capsules	24.2	32.3
37292 19	All other	281.9	740.0
	For United States Government nonmilitary customers:		
37292 21	Airframes	22.3	15.9
37292 23	Space capsules		
37292 29	All other	77.2	68.7
	For nongovernment customers:		
37292 31	Airframes	27.9	10.9
37292 33	Space capsules		
37292 39	All other		28.9
37292 00	Guided missle components and subassemblies, n.s.k	37.0	25.0
37293 --	Receipts from research and development on aircraft parts[1]	85.7	74.6
37293 13	For United States military customers	69.7	74.6
37293 15	For other than United States military customers	16.0	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers (million dollars) 1967	1963
	AIRCRAFT PARTS AND AUXILIARY EQUIPMENT, N.E.C.--Continued		
37294 --	Receipts from research and development on missile components, n.e.c.[3]	403.2	420.4
	For United States Government military customers:		
37294 11	Airframes	13.0	173.5
37294 13	Space capsules	289.4	148.1
37294 19	All other		
	For United States Government nonmilitary customers:		
37294 21	Airframes	74.5	26.7
37294 23	Space capsules		44.1
37294 29	All other		
	For nongovernment customers:		
37294 31	Airframes	0.1	13.1
37294 33	Space capsules	-	
37294 39	All other	13.9	11.9
37294 00	Receipts from research and development on missile components, n.e.c., n.s.k.	12.3	3.0

Product code	Product	Total shipments including interplant transfers 1967 Quantity	1967 Value (million dollars)	1963 Quantity	1963 Value (million dollars)
37295 --	Aircraft propellers and propeller parts, total[4]	(X)	119.5	(X)	109.0
	Complete aircraft propellers and propeller parts:				
37295 10, 51	As reported in the census of manufactures	(X)	79.0	(X)	98.1
	As reported on Census Annual Form MA-37E	(X)	75.8	(X)	89.1
	For military aircraft, total	(X)	52.7	(X)	76.4
	Propellers	(D)	(D)	(D)	(D)
	Parts	(D)	(D)	(D)	(D)
	For civilian aircraft, total	(X)	23.0	(X)	12.7
	Propellers	24.7	14.5	13.3	6.1
	Parts	(X)	8.6	(X)	6.6
37295 31	Propeller blades	27.4	40.5	9.7	10.9
37290 00	Aircraft parts and auxiliary equipment, n.e.c., n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(x)	164.8	(X)	72.5
37290 02	Aircraft parts and auxiliary equipment, n.e.c., n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(x)	9.6		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Data represents receipts, billings or value of work done, including modifications, conversions, and overhaul of previously accepted aircraft, and other aeronautical services (including research and development on aircraft.)

[2]For 1963 and 1967, data on research and development on aircraft engines for other than United States military customers are included with "All other aeronautical services on aircraft engines for other than United States military customers" to avoid disclosing figures of individual companies.

[3]Represents receipts or billings.

[4]Those products were previously identified as product class 37230.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	1963
COMPLETE AIRCRAFT, PERSONAL, UTILITY, AND COMMERCIAL TRANSPORT TYPE (37212 and 37213)		
United States	3,504.9	
Northeast Region	GG	
New England Div.	EE	
Connecticut	EE	
Middle Atlantic Div.	GG	
New York	FF	
Pennsylvania	FF	
North Central Region	GG	
East North Central Div.	BB	
Michigan	BB	
West North Central Div.	GG	
Minnesota	AA	
Kansas	GG	
South Region	229.4	
South Atlantic Div.	155.8	
Maryland	FF	
Georgia	GG	
Florida	FF	
West South Central Div.	73.7	
Oklahoma	EE	
Texas	GG	
West Region	GG	
Mountain Div.	AA	
Wyoming	AA	
Pacific Div.	GG	
Washington	GG	
California	GG	
MODIFICATION, CONVERSION, OVERHAUL OF AIRCRAFT (37214)	1967	1963
United States	596.8	465.5
Northeast Region	121.0	37.7
New England Div.	16.8	(D)
Connecticut	16.8	(1)
Middle Atlantic Div.	104.2	(D)
New York	GG	(D)
New Jersey	CC	(D)
Pennsylvania	FF	(D)
North Central Region	110.9	(D)
East North Central Div.	FF	(D)
Ohio	FF	(1)
Indiana	EE	(1)
West North Central Div.	GG	(D)
Nebraska	BB	(D)
Kansas	GG	(1)
South Region	249.8	206.5
South Atlantic Div.	GG	(D)
Maryland	GG	(D)
Georgia	CC	(1)
Florida	FF	(1)

Product class and geographic area	Value of shipments 1967	1963
MODIFICATION, CONVERSION, OVERHAUL OF AIRCRAFT (37214)--Con.		
South Region--Con.		
East South Central Div.	FF	(D)
Alabama	FF	(1)
West South Central Div.	GG	(D)
Louisiana	CC	(D)
Oklahoma	FF	(1)
Texas	GG	(1)
West Region	115.1	(D)
Mountain Div.	AA	(D)
Wyoming	AA	(1)
Pacific Div.	GG	(D)
Washington	CC	(1)
California	GG	(D)
OTHER AERONAUTICAL SERVICES ON AIRCRAFT (37216)		
United States	635.2	668.4
Northeast Region	39.7	54.1
New England Div.	BB	(D)
Connecticut	BB	(1)
Middle Atlantic Div.	FF	(D)
New York	19.1	46.2
Pennsylvania	EE	(1)
North Central Region	30.0	45.3
East North Central Div.	EE	(D)
Ohio	EE	(1)
West North Central Div.	EE	(D)
Missouri	BB	(1)
Kansas	EE	(1)
South Region	286.9	171.0
South Atlantic Div.	FF	(D)
Maryland	AA	1.7
Georgia	FF	(1)
West South Central Div.	GG	(D)
Oklahoma	BB	(1)
Texas	GG	(1)
West Region	278.7	398.0
Mountain Div.	BB	(D)
Colorado	AA	(D)
Arizona	AA	(1)
Pacific Div.	GG	(D)
Washington	GG	(1)
California	GG	(1)
AERONAUTICAL SERVICES ON AIRCRAFT ENGINES (37223)		
United States	526.5	385.3
Northeast Region	188.1	197.1
New England Div.	GG	(D)
Massachusetts	FF	(1)
Connecticut	GG	(1)

Product class and geographic area	Value of shipments 1967	1963
AERONAUTICAL SERVICES ON AIRCRAFT ENGINES (37223)--Con.		
Northeast Region--Con.		
Middle Atlantic Div.	EE	(D)
New York	BB	(1)
New Jersey	EE	(1)
North Central Region	GG	(D)
East North Central Div.	GG	(D)
Ohio	GG	(1)
Indiana	GG	(1)
Michigan	EE	(1)
South Region	GG	(D)
South Atlantic Div.	GG	(D)
Florida	GG	(1)
West Region	BB	(D)
Mountain Div.	BB	(D)
Arizona	BB	(D)
AIRCRAFT ENGINE PARTS AND ACCESSORIES (37224)		
United States	1,422.9	932.1
Northeast Region	889.3	598.9
New England Div.	610.6	353.3
Maine	CC	(1)
New Hampshire	CC	(D)
Vermont	FF	(1)
Massachusetts	GG	(1)
Connecticut	453.9	281.3
Middle Atlantic Div.	278.7	245.6
New York	55.7	66.3
New Jersey	GG	(1)
Pennsylvania	GG	(1)
North Central Region	473.5	293.2
East North Central Div.	459.0	(D)
Ohio	229.8	123.7
Indiana	107.2	87.1
Illinois	GG	(1)
Michigan	64.9	56.3
Wisconsin	BB	(1)
West North Central Div.	14.4	(D)
Iowa	CC	(1)
Missouri	BB	(D)
Kansas	BB	(D)
South Region	25.2	3.7
South Atlantic Div.	FF	3.6
North Carolina	BB	(D)
Florida	EE	(1)
East South Central Div.	BB	(D)
Kentucky	BB	(D)
West Region	35.0	36.3
Mountain Div.	BB	(D)
Arizona	BB	(1)
Pacific Div.	FF	(D)
California	FF	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
AIRCRAFT PARTS AND ACCESSORIES, N.E.C. (37291)		
United States	4,085.4	2,215.3
Northeast Region	758.1	457.9
New England Div.	152.5	130.1
Maine	BB	(D)
Massachusetts	9.1	25.1
Rhode Island	BB	(1)
Connecticut	133.8	102.3
Middle Atlantic Div.	605.5	327.8
New York	407.0	231.5
New Jersey	67.0	51.9
Pennsylvania	131.6	44.4
North Central Region	1,211.7	664.7
East North Central Div.	664.1	406.4
Ohio	369.6	184.5
Indiana	GG	105.5
Illinois	85.6	56.8
Michigan	GG	57.2
Wisconsin	CC	2.4
West North Central Div.	547.6	258.3
Minnesota	CC	(1)
Missouri	GG	58.1
South Dakota	AA	(D)
Kansas	345.1	197.0
AIRCRAFT PARTS AND ACCESSORIES, N.E.C. (37291)--Con.		
South Region	542.3	194.3
South Atlantic Div.	114.1	61.5
Delaware	EE	(1)
Maryland	83.2	32.6
Georgia	CC	(1)
Florida	EE	7.6
East South Central Div.	88.5	32.0
Tennessee	GG	(1)
Alabama	BB	(D)
Mississippi	CC	(D)
West South Central Div.	339.8	100.8
Oklahoma	56.9	(1)
Texas	282.9	92.9
West Region	1,573.3	898.4
Mountain Div.	124.7	36.6
Colorado	36.4	20.1
Arizona	GG	(1)
Utah	AA	(D)
Pacific Div.	1,448.6	861.8
Washington	GG	(1)
Oregon	FF	(1)
California	1,668.0	755.9
RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS (37293)		
United States	85.7	74.5
Northeast Region	FF	(D)
New England Div.	FF	(D)
Connecticut	FF	(1)
Middle Atlantic Div.	EE	(D)
New York	CC	(1)
New Jersey	BB	(D)
North Central Region	EE	(D)
East North Central Div.	CC	6.4
Ohio	CC	(1)
West North Central Div.	EE	(D)
Kansas	EE	(1)
West Region	34.8	18.0
Pacific Div.	34.8	18.0
California	34.8	18.0

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes-Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3721-	Aircraft[2]	9,172.2	6,886.2	5,277.0	4,661.6	4,330.5	5,362.7	5,582.5	(NA)
37211	Complete aircraft, military type	4,408.0	3,563.1	2,657.0	2,566.1	2,470.3	3,501.6	4,286.3	265.3
37212	Complete aircraft, personal and utility type	3,504.9	405.1	337.2	226.4	157.8	988.2	291.7	57.0
37213	Complete aircraft, commercial transport (airline passenger and cargo service)		1,772.4	1,275.1	836.4	561.1			122.1
37214	Modifications, conversions, and overhaul of previously accepted aircraft	596.8	453.1	413.4	344.2	465.5	298.8	167.8	28.2
37216	Other aeronautical services for aircrafts	635.2	687.1	589.5	683.2	668.4	574.0	836.7	(NA)
37210	Aircraft, n.s.k.	27.3	5.5	4.7	5.3	7.5	-	-	-
3722-	Aircraft engines and parts	4,781.7	4,286.1	3,870.5	3,744.6	3,609.7	3,325.9	3,190.5	436.6
37221	Aircraft engines for U.S. military customers	1,087.6	759.9	598.0	602.7	644.4			187.8
37222	Aircraft engines for other than U.S. military customers	690.7	496.2	374.6	238.7	150.0	[3]1,399.9	[3]1,511.2	49.3
37223	Aeronautical services on aircraft engines	526.5	459.1	412.1	374.7	385.3	[4]664.7	[4]212.4	63.0
37224	Aircraft engine parts and accessories	1,422.9	1,269.6	925.2	850.0	932.1	[5]1,261.4	[5]1,466.9	136.4
37225	Complete missile or space vehicle engines and/or propulsion units	451.7	612.0	728.4	728.0	582.6	([3])	([3])	(X)
37226	Research and development on complete missile or space vehicle engines and/or propulsion units	389.1	457.4	588.8	694.7	696.8	([5])	([5])	(X)
37227	All other services on complete missile or space vehicle engines and/or propulsion units	88.4	59.1	58.0	73.9	61.7	([4])	([4])	(X)
37228	Missile and space vehicle engine and/or propulsion unit parts and accessories	93.9	168.0	184.0	174.7	147.8	([5])	([4])	(X)
37220	Aircraft engines and engine parts, n.s.k.	30.9	4.8	1.6	7.1	8.9	-	-	-
3729-	Aircraft equipment, n.e.c.	5,542.2	4,884.2	3,883.1	3,688.5	3,900.9	3,917.4	3,057.6	254.4
37291	Other aircraft parts and accessories, n.e.c.	4,085.4	3,436.4	2,544.2	2,302.6	2,215.3	2,860.6	(NA)	(NA)
37292	Missile/space vehicle parts and subassemblies, n.e.c.	674.0	804.8	781.9	779.8	1,009.3	509.2	(NA)	(NA)
37293	Research and development on aircraft parts	85.7	79.0	78.1	78.7	74.5	(NA)	(NA)	(NA)
37294	Research and development on missile and space vehicle parts and components, n.e.c.	403.2	417.0	350.2	408.0	420.4	380.7	(NA)	(NA)
37295	Aircraft propellers and propeller parts[6]	119.5	99.0	93.8	71.9	109.0	167.0	191.0	39.0
37290	Aircraft equipment, n.e.c., n.s.k.	174.4	48.0	34.9	47.5	72.5	-	-	-

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Figures represent value of work done rather than value of shipments.

[3]For 1954 to 1962, data for complete missile or space vehicle engines and/or propulsion units were included with aircraft engines.

[4]For 1954 to 1962, data on receipts for research and development on complete missile or space vehicle engines and/or propulsion units, and, all other services on complete missile or space vehicle engines and/or propulsion units, were included with receipts for research and development on aircraft engines.

[5]For 1954 to 1962, data on missile and space vehicle engine and/or propulsion unit parts or accessories were included with aircraft engine parts and accessories.

[6]For years previous to 1967, aircraft propellers and propeller parts were identified as product class 37230.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3721.--AIRCRAFT					
	Materials, components, parts, containers, and supplies, total	.....	(X)	5,185.2	(X)	2,458.7
	Mill shapes and forms:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	29.5	7.4	3.9	1.9
331012	Sheet and strip	...do.....	11.4	2.2	8.6	3.7
331013	Plates	...do.....	3.5	0.9	3.1	0.7
331015	Structural shapes	...do.....	2.4	0.7	3.4	1.1
331017	Wire and wire products	...do.....	2.9	1.4	1.6	0.8
331019	All other carbon steel mill shapes and forms	...do.....			2.2	1.8
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	7.1	3.8	5.1	4.2
331029	All other alloy steel mill shapes and forms	...do.....	6.5	4.0	2.9	2.7
331031	Stainless steel	...do.....	4.5	7.7	2.2	5.2
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	0.4	0.4	0.6	0.9
335790	Insulated wire and cable	Million lbs. (copper content)	7.8	14.6	3.4	4.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	0.4	0.9	0.2	0.4
335123	Plate, sheet, and strip, including military cups and discs	...do.....	1.3	0.7	0.4	0.6
335127	Pipe and tube	...do.....			0.2	0.3
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	109.1	82.9	51.6	38.1
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.....	37.0	47.1	16.7	21.2
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welding tubing, etc.)	...do.....	9.1	11.2	8.1	4.8
335601	Titanium and titanium-base alloy	...do.....	2.2	18.4	1.1	15.2
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons.	3.0	5.0	3.2	5.6
336100	Aluminum and aluminum-base alloy	Million lbs.....	9.8	21.0	5.4	8.5
336200	Copper and copper-base alloy	...do.....	0.1	0.2	(NA)	0.5
	Forgings:[1]					
339100	Iron and steel	1,000 short tons.	3.8	10.1	4.2	6.3
339200	Aluminum and aluminum-base alloy	Million lbs.....	10.5	17.1	9.8	14.6
339201	Titanium and titanium-base alloy	...do.....	1.3	16.7	0.1	0.7
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	5.8	0.6	3.3	0.4
363115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	8.6	0.8	7.5	0.5
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	13.3	1.8	0.7	0.4
	Bearings:					
356218	Ball	.....	(X)	2.7	(X)	3.2
356201	Roller	.....	(X)	3.2	(X)	2.0
356120	Hydraulic fluid power pumps, motors, and related hydraulic equipment	.....	(X)	25.2	(X)	25.5
220123	Broad woven fabrics (cotton, wool, manmade fiber fabrics, etc)	Million lin. yds.	5.5	19.3	1.5	4.2
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	4,790.9	(X)	2,233.8
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]	.....	(X)	66.3	(X)	44.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3722.--AIRCRAFT ENGINES AND PARTS					
	Materials, components, parts, containers and supplies, total	.....	(X)	1,952.9	(X)	r1,346.9
	Mill shapes and forms, except castings:					
	Carbon steel:					
331012	Bars and bar shapes	1,000 short tons	16.1	3.5	10.0	2.3
331012	Sheet and strip	...do.....	7.6	2.3	9.6	3.0
331013	Plates	...do.....	6.2	1.6	6.7	1.4
331015	Structural shapes	...do.....	0.7	0.3	0.3	0.1
331017	Wire and wire products	...do.....	0.9	0.7	0.2	0.1
331019	All other carbon steel mill shapes and forms	...do.....	9.5	3.1	2.9	1.0
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.....	20.0	16.7	18.7	13.4
331029	All other alloy steel mill shapes and forms	...do.....	11.3	14.5	4.6	7.5
331031	Stainless steel	...do.....	15.1	38.9	17.1	41.0
	Copper and copper-base alloy:					
	Bare wire (for electrical conduction only)	Million pounds..	0.1	0.1	(Z)	(Z)
335790	Insulated wire and cable	Million pounds (copper content).....	0.7	0.9	0.5	0.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million pounds..	2.3	1.6	1.7	1.1
335123	Plate, sheet, and strip, including military cups and discs	...do.....	0.4	0.4	0.1	0.1
335127	Pipe and tube	...do.....	0.1	0.1	(Z)	(Z)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	6.9	5.2	3.8	3.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	2.5	3.4	2.1	1.6
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	(NA)	2.6	2.4	2.8
335601	Titanium and titanium-base alloy	...do.....	2.7	13.2	1.0	5.2
	Castings, rough and semifinished[1]:					
332300	Steel	1,000 short tons	(NA)	51.4	7.4	24.9
336100	Aluminum and aluminum-base alloy	Million pounds..	17.7	41.3	14.3	26.7
336200	Copper and copper-base alloy	...do.....	0.4	0.4	0.3	0.3
	Forgings[1]:					
339100	Iron and steel	1,000 short tons	49.9	83.7	37.8	65.7
339200	Aluminum and aluminum-base alloy	Million pounds..	14.1	18.0	18.7	20.8
339201	Titanium and titanium-base alloy	...do.....	11.6	54.7	4.5	23.3
	Electric motors and generators[1]:					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	45.8	1.5	(D)	(D)
362115	Other fractional horsepower electric motors, excluding timing motors	...do.....	(D)	(D)	32.2	3.2
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	0.4	0.2	0.7	0.2
	Bearings:					
356218	Ball	...do.....	(X)	9.1	(X)	8.8
356201	Roller	...do.....	(X)	5.3	(X)	8.5
356120	Hydraulic fluid powerpumps, motors,aand related hydraulic equipment	...do.....	(X)	(D)	(X)	2.1
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)	Mil. lin. yds...	0.1	0.1	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	1,529.9	(X)	r1,017.4
976000	Materials, components, parts, containers, supplies consumed, n.s.k.[2]	.....	(X)	48.2	(X)	61.2

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3729.--AIRCRAFT EQUIPMENT, N.E.C.					
	Materials, components, parts, containers, and supplies, total	.....	(X)	1,420.6	(X)	1,055.5
	Mill shapes and forms, except castings:					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons..	23.8	5.5	10.5	3.4
331012	Sheet and strip	...do.....	26.0	5.7	20.9	4.0
331013	Plates	...do.....	12.2	1.5	14.4	2.6
331015	Structural shapes	...do.....	3.6	0.6	3.4	0.9
331017	Wire and wire products	...do.....	3.8	0.9	1.8	0.4
331019	All other carbon steel mill shapes and forms	...do.....	3.1	0.7	3.3	1.2
	Alloy steel, except stainless:					
331021	Bars and bar shapes	...do.....	16.6	8.9	9.9	5.6
331029	All other alloy steel mill shapes and forms	...do.....	10.7	6.9	3.9	3.2
331031	Stainless steel	...do.....	16.4	31.2	9.3	15.9
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million pounds....	(D)	(D)	0.3	0.2
335790	Insulated wire and cable	Million pounds copper content...	(D)	(D)	0.8	2.0
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million pounds....	7.1	4.4	3.1	1.4
335123	Plate, sheet, and strip, including military cups and discs	...do.....	1.3	0.6	0.2	0.2
335127	Pipe and tube	...do.....	5.1	3.4	0.2	0.2
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	86.5	56.0	36.4	25.5
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do.....	39.2	40.3	29.4	30.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	9.4	8.6	16.3	9.0
335601	Titanium and titanium-base alloy	1,000 pounds.....	1.7	14.8	0.5	6.3
	Castings, rough and semifinished:[1]					
332300	Steel	1,000 short tons..	15.7	27.4	7.4	9.1
336100	Aluminum and aluminum-base alloy	Million pounds....	19.4	25.8	12.6	14.8
336200	Copper and copper-base alloy	...do.....	3.5	3.4	0.7	0.4
	Forgings:[1]					
339100	Iron and steel	1,000 short tons..	(NA)	48.3	20.1	23.2
339200	Aluminum and aluminum-base alloy	Million pounds....	19.7	26.3	10.8	11.7
339201	Titanium and titanium-base alloy	...do.....	0.6	2.3	(NA)	(NA)
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000.....	(D)	(D)	(Z)	1.2
362115	Other fractional horsepower electric motors, excluding timing motors	...do.....	(D)	(D)	0.1	1.9
362120	Integral horsepower motors and generators (1 hp. and over)	...do.....	(D)	(D)	(Z)	5.8
	Bearings:					
356218	Ball	.....	(X)	15.2	(X)	8.2
356201	Roller	.....	(X)	8.6	(X)	2.1
356120	Hydraulic fluid power pumps, motors, and related hydraulic equipment	.....	(D)	(D)	(X)	21.8
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)	Million lin. yds..	1.2	2.1	1.3	2.4
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	965.0	(X)	792.0
976000	Materials, components, parts, containers, and supplies consumed, n.s.k.[2]	.....	(X)	106.2	(X)	48.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]No data are available for the quantities of castings, forgings, or electric motors and generators produced and consumed in the same establishment.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Aircraft (SIC 3721)	Aircraft engines and parts (SIC 3722)	Aircraft equipment, n.e.c. (SIC 3729)
	Cost of purchased fuels and electric energy, total...	Million dollars.	38.9	35.3	33.5
	Cost of purchased fuels, total.....	...do.....	10.8	9.6	8.1
121005	Coal (anthracite, bituminous, and lignite):				
	Quantity.....	1,000 short tons	73.0	181.4	102.7
	Cost.....	Million dollars.	0.5	1.5	0.8
	Fuel oil, total:				
	Quantity.....	1,000 barrels...	410.0	1,208.5	493.7
	Cost.....	Million dollars.	1.5	3.4	1.4
291141	Distillate:				
	Quantity.....	1,000 barrels...	195.0	489.7	143.4
	Cost.....	Million dollars.	1.0	1.8	0.6
291151	Residual:				
	Quantity.....	1,000 barrels...	215.0	718.8	350.3
	Cost.....	Million dollars.	0.5	1.6	0.8
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast furnace, coke-oven, and other gas):				
	Quantity.....	Million cu. ft...	14,302.3	5,337.7	6,963.1
	Cost.....	Million dollars.	5.8	3.0	3.5
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	2.7	0.6	0.4
	Fuels, n.s.k.....	..do.....	0.3	1.1	1.9
	Purchased electric energy:				
	Quantity.....	Million kw.-hrs.	3,479.9	2,629.7	2,291.9
	Cost.....	Million dollars.	28.1	25.7	25.4
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	(D)	(Z)	2.0
	Total energy used for heat and power[1].....	Million kw.-hrs equivalent.....	9,759.5	8,559.3	7,307.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3721	AIRCRAFT										
	ENTIRE INDUSTRY	125	386.8	3 569.0	230.6	489.9	1 806.7	5 447.6	5 632.2	11 079.8	408.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	94	286.0	2 618.9	167.9	357.6	1 301.9	4 016.7	4 513.8	8 530.5	327.0
37211	COMPLETE AIRCRAFT, MILITARY TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	19	207.7	2 002.7	122.1	257.3	976.9	3 264.5	3 235.4	6 499.9	193.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	94.7	870.9	54.4	120.1	414.9	1 402.7	1 915.6	3 318.3	81.5
37212	COMPLETE AIRCRAFT, PERSONAL AND UTILITY TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	16	26.5	177.2	20.6	44.2	134.5	247.1	266.7	513.8	11.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37213	COMPLETE AIRCRAFT, COMMERCIAL TRANSPORT TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37214	MODIFICATION, CONVERSION, OVERHAUL OF AIRCRAFT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	23	19.2	152.7	15.0	29.5	104.7	214.3	134.5	348.9	4.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	14	9.0	65.5	6.8	13.0	44.1	94.2	52.3	146.4	3.2
37216	OTHER AERONAUTICAL SERVICES ON AIRCRAFT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3722	AIRCRAFT ENGINES AND ENGINE PARTS										
	ENTIRE INDUSTRY	255	195.4	1 778.5	112.6	245.8	875.2	2 922.1	2 390.6	5 289.7	224.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	203	147.4	1 327.0	84.9	188.3	661.2	2 175.4	1 953.4	4 122.6	170.1
37221	AIRCRAFT ENGINES FOR U.S. MILITARY CUSTOMERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	20	2.7	22.4	2.0	4.4	14.6	35.8	28.1	60.7	3.0
37222	AIRCRAFT ENGINES FOR OTHER THAN U.S. MILITARY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37223	AERONAUTICAL SERVICES ON AIRCRAFT ENGINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37224	AIRCRAFT ENGINE PARTS AND ACCESSORIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	118	42.8	347.1	30.8	65.5	223.9	550.3	317.0	861.7	28.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	88	28.8	236.6	21.2	45.8	156.9	396.1	235.4	622.9	23.5
37225	MISSILE/SPACE VEHICLE ENGINES OR PROPULSION UNITS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	26.7	284.7	9.5	20.1	77.8	538.3	220.7	730.8	18.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37226	R & D--MISSILE/SPACE VEH. ENGINES OR PROP. UNITS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	10	12.3	128.0	5.4	11.3	46.1	181.5	85.4	257.7	10.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	1.4	12.6	1.0	1.9	7.3	18.5	6.9	25.5	.7
37227	OTHER SERVICES--MISSILE/SPACE VEHICLE ENGINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37228	MISSILE/SPACE VEHICLE ENGINE PARTS, ACCESSORIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	12	2.8	28.0	1.4	3.1	10.9	35.8	16.2	51.4	3.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	1.8	20.0	.6	1.5	5.0	24.1	8.1	31.6	(D)
3729	AIRCRAFT EQUIPMENT, NEC										
	ENTIRE INDUSTRY	893	219.8	1 861.9	146.1	311.9	1 111.0	2 957.3	1 761.5	4 694.4	166.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	764	156.4	1 301.5	106.2	229.0	799.3	2 073.8	1 193.7	3 209.4	123.5
37291	AIRCRAFT PARTS AND ACCESSORIES, NEC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	383	153.9	1 284.1	104.8	224.7	794.1	1 997.2	1 238.4	3 241.0	117.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	296	78.8	634.1	57.3	125.7	421.2	1 037.2	705.1	1 693.9	71.6
37292	MISSILE/SPACE VEHICLE PARTS, SUBASSEMBLIES, NEC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	73	28.5	234.7	18.9	39.0	147.8	355.2	160.3	503.9	20.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	53	16.8	130.9	10.5	22.2	73.7	209.0	90.7	287.5	8.0
37293	RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	5	.4	3.8	.3	.7	2.8	6.6	2.4	8.8	1.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37294	R & D ON MISSILE/SPACE VEHICLE COMPONENTS, NEC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
37295	AIRCRAFT PROPELLERS AND PARTS[1]										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]For years prior to 1967, aircraft propellers and propeller parts were identified as product class 37230.

SHIP AND BOAT BUILDING, RAILROAD AND MISCELLANEOUS TRANSPORTATION EQUIPMENT

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3731--Ship Building and Repairing
3732--Boat Building and Repairing
3741--Locomotives and Parts
3742--Railroad and Street Cars
3751--Motorcycles, Bicycles, and Parts
3791--Trailer Coaches
3799--Transportation Equipment, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3731--SHIP BUILDING AND REPAIRING

This industry comprises establishments primarily engaged in building and repairing all types of ships, barges, and lighters, whether propelled by sail or motor power or towed by other craft. This industry also includes the conversion and alteration of ships. Establishments primarily engaged in fabricating structural assemblies or components for ships or subcontractors engaged in ship painting, joinery, carpentry work, electrical wiring installation, etc., are not classified in this industry. For a detailed list of products of industry 3731, refer to table 6A, product codes 3731111 to 3731659.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

The total value of work done and other receipts of the Ship Building and Repairing Industry in 1967 totaled $2,518 million. This included receipts from ship building and repairing (primary products), valued at $2,315 million, shipments of other products (secondary products) valued at $129 million, and miscellaneous receipts of $75 million.

The value of ship building and repairing represents value of work done during the year. This provides a more adequate measure of the activity in this industry than value of vessels completed and delivered, primarily because of the production cycle, which may be several years for some vessels. Value of shipments (deliveries) would result in a distortion for extablishments working on a vessel all year, but not completing it during the year or, for establishments completing and delivering a vessel during a year when most of the work was performed in previous years. Respondents were requested to compute the value of work done by including the cost of labor, the cost of purchased materials and parts received during 1967, overhead and profits by one of the following methods: (1) estimating the percentage of completion during 1967, (2) reporting net billings for work done during 1967, or (3) reporting payments received for work done during 1967.

This industry's receipts for ship building and repairing (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent. Secondary products shipped by this industry in 1967 included fabricated structural steel ($41 million) and boat building and repairing ($21 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 53 percent of the total value of work done is represented by plants specializing in product class 37312, self propelled ships, new construction.

Industry 3731 receipts for ship building and repairing (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $2,358 million shipped by all industries. In 1963, the coverage ratio was 99 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3731, these establishments accounted for 1.0 percent of payroll and 0.2 percent of value added by manufacture.

3732--BOAT BUILDING AND REPAIRING

This industry comprises establishments primarily engaged in building and repairing all types of boats, except rubber boats (industry 3069). Establishments primarily engaged in cleaning and storing boats and in the rental of dock space, and yacht clubs are classified in nonmanufacturing industries. For a detailed list of products of industry 3732, refer to table 6A, product codes 3732111 to 3732421.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Boat Building and Repairing Industry in 1967 totaled $571 million. This included shipments of boat building and repairing (primary products), valued at $522 million, shipments of other products (secondary products) valued at $22 million, and miscellaneous receipts (mainly products bought and resold) of $28 million.

This industry's shipments of boat building and repairing (primary products) in 1967 represented 96 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 97 percent. Secondary products shipped by this industry in 1967 included ship building and repairing ($8 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 35 percent of the total industry shipments are represented by plants specializing in product class 37321, inboard motorboats.

Industry 3732 shipments of boat building and repairing (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $571 million shipped by all industries. In 1963, the coverage ratio was 95 percent. Other industries shipping boat building and repairing (primary products) consisted mainly of industry 3731, Ship Building and Repairing, $21 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3732, these establishments accounted for 7 percent of payroll and 8 percent of value added by manufacture.

3741--LOCOMOTIVES AND PARTS

This industry comprised establishments primarily engaged in building and rebuilding locomotives (including frames and parts, not elsewhere classified) of any type or gauge. Railroad shops rebuilding and repairing locomotives, or building new locomotives, are classified in Major Group 40. For a detailed list of products of industry 3741, refer to table 6A, product codes 3741144 to 3741311.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Locomotive and Parts Industry in 1967 totaled $690 million. This included shipments of locomotives and parts (primary products), valued at $523 million.

This industry's shipments of locomotives and parts (primary products) in 1967 represented (80-85) percent (specialization ratio) of its total products shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent.

Industry 3741 shipments of locomotives and parts (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $569 million shipped by all industries. In 1963, the coverage ratio was 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3741, these establishments accounted for 0.1 percent of payroll and 0.1 percent of value added by manufacture.

3742--RAILROAD AND STREET CARS

This industry comprises establishments primarily engaged in building and rebuilding railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service. This industry also includes establishments primarily engaged in manufacturing trackless trolley busses. Establishments primarily engaged in manufacturing mining cars are classified in industry 3532. Repair shops, owned and operated by railroads or local transit companies, rebuilding or repairing cars, or building new cars for their own account, are classified in Major Groups 40 and 41. For a detailed list of products of industry 3742, refer to table 6A, product codes 3742111 to 3742351.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Railroad and Street Cars Industry in 1967 totaled $1,421 million. This included shipments of railroad and street cars (primary products), valued at $1,307 million, shipments of other products (secondary products) valued at $76 million, and miscellaneous receipts of $38 million.

This industry's shipments of railroad and street cars (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent.

Industry 3742 shipments of railroad and street cars (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $1,374 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries shipping railroad and street cars (primary products) included industry 3441, Fabricated Structural Steel, $18 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3742, these establishments accounted for 0.1 percent of payroll and 0.1 percent of value added by manufacture.

3751--MOTORCYCLES, BICYCLES, AND PARTS

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, and similar equipment and parts. Establishments primarily engaged in assembling motorcycles or bicycles from purchased parts are also included in this industry. Establishments primarily engaged in manufacturing children's vehicles, except bicycles, are classified in industry 3943. For a detailed list of products of industry 3751, refer to table 6A, product codes 3751013 to 3751081.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Motorcyles, Bicycles, and Parts Industry in 1967 totaled $300 million. This included shipments of motorcycles, bicycles, and parts (primary products), valued at $251 million, shipments of other products (secondary products) valued at $31 million, and miscellaneous receipts (mainly products bought and resold) of $17 million.

This industry's shipments of motorcycles, bicycles, and parts (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 83 percent.

Industry 3751 shipments of motorcyles, bicycles, and parts (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $263 million shipped by all industries. In 1963, the coverage ratio was 93 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3751, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3791--TRAILER COACHES

This industry comprises establishments primarily engaged in manufacturing trailer coaches (mobile dwellings) for attachment to passenger cars, and pickup coaches (campers) for mounting on pickup trucks. For a detailed list of products of industry 3791, refer to table 6A, product codes 3791021 to 3791041.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Trailer Coaches Industry in 1967 totaled $1,325 million. This included shipments of trailer coaches (primary products), valued at $1,288 million, shipments of other products (secondary products) valued at $10 million, and miscellaneous receipts (mainly products bought and resold) of $27 million.

This industry's shipments of trailer coaches (primary products) in 1967 represented 99 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 98 percent.

Industry 3791 shipments of trailer coaches (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $1,296 million shipped by all industries. In 1963, the coverage ratio was also 99 percent. Other industries shipping trailer coaches (primary products) consisted mainly of Industry 3711 Motor Vehicles, over $2 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3791, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3799--TRANSPORTATION EQUIPMENT, N.E.C.

This industry comprises establishments primarily engaged in manufacturing transportation equipment, not elsewhere classified. Establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers are classified in industry 3537, and children's vehicles, except bicycles, in industry 3943. For a detailed list of products of industry 3799, refer to table 6A, product codes 3799121 to 3799298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Transportation Equipment, N.E.C., Industry in 1967 totaled $284 million. This included shipments of transportation equipment, n.e.c. (primary products), valued at $258 million, shipments of other products (secondary products) valued at $16 million, and miscellaneous receipts (mainly products bought and resold) of $10 million.

This industry's shipments of transportation equipment, n.e.c. (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent. Secondary products shipped by this industry in 1967 included farm machinery ($5 million).

Industry 3799 shipments of transportation equipment, n.e.c. (primary products) in 1967 represented 75 percent (coverage ratio) of these products valued at $342 million shipped by all industries. In 1963, the coverage ratio was also 75 percent. Other industries shipping transportation equipment, n.e.c. (primary products) included industry 3522, Farm Machinery, $31 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3799, these establishments accounted for 5 percent of payroll and 4 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3731.--SHIP BUILDING AND REPAIRING														
1967 Census....	415	253	138.8	1,076.0	114.2	231.0	819.4	[3]1,430.4	1,087.8	[3]2,518.2	70.3	800.3	95	98
1966 ASM[1].....	(NA)	(NA)	135.3	1,058.2	114.3	236.8	819.1	[3]1,362.0	984.1	[3]2,338.9	52.8	658.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	130.4	946.0	109.5	223.0	737.9	[3]1,204.1	869.9	[3]2,078.2	44.6	567.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	115.1	819.9	97.1	197.0	632.5	[3]1,057.7	768.4	[3]1,826.4	32.8	457.7	(NA)	(NA)
1963 Census....	334	200	114.6	782.3	96.5	193.5	610.2	[3]1,009.7	670.1	[3]1,679.8	24.5	344.1	92	99
1962 ASM[1].....	(NA)	(NA)	111.6	732.7	94.1	186.2	577.4	[3]953.9	716.3	[3]1,670.2	23.0	400.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	114.2	728.7	95.7	187.6	569.2	[3]919.7	701.2	[3]1,621.2	31.6	389.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	107.7	670.5	90.1	179.7	521.6	[3]860.0	600.6	[3]1,460.7	28.9	401.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	116.3	673.2	96.3	186.1	519.4	[3]951.9	614.1	[3]1,566.1	33.8	379.3	(NA)	(NA)
1958 Census[3]...	319	222	119.1	669.8	101.2	197.7	537.8	[3]913.7	711.9	[3]1,625.6	38.7	408.0	93	99
INDUSTRY 3732.--BOAT BUILDING AND REPAIRING														
1967 Census....	1,596	287	30.5	163.0	26.2	51.8	128.1	274.8	298.4	571.4	15.8	115.5	96	91
1966 ASM[1].....	(NA)	(NA)	30.8	145.7	25.2	49.2	111.8	247.4	261.3	485.1	*12.4	137.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	28.9	136.6	24.6	49.5	109.1	220.8	235.8	448.8	12.7	91.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	26.6	126.6	22.5	46.4	99.2	217.9	212.5	423.1	*14.1	84.0	(NA)	(NA)
1963 Census....	1,626	268	24.9	116.1	20.9	42.0	91.4	183.1	183.2	360.2	13.5	78.6	97	95
1962 ASM[1].....	(NA)	(NA)	22.7	104.3	18.8	40.0	80.7	148.1	174.5	314.4	*12.4	66.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	22.7	100.6	18.7	40.0	77.5	138.1	175.8	316.6	*17.9	57.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	26.4	111.4	22.2	43.4	86.0	155.6	201.7	357.6	*22.5	65.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	29.1	121.5	24.9	49.9	96.5	176.4	216.4	389.4	*16.6	77.2	(NA)	(NA)
1958 Census[2]...	1,651	277	25.3	103.6	21.2	40.3	81.4	157.3	178.8	329.0	15.3	75.0	93	95
INDUSTRY 3741.--LOCOMOTIVES AND PARTS														
1967 Census....	27	15	16.0	132.5	11.7	23.5	90.8	345.2	346.0	689.6	10.8	119.7	(80-85)	92
1966 ASM[1].....	(NA)	(NA)	17.2	141.6	13.3	27.9	103.0	318.2	393.4	700.7	9.0	119.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.0	130.9	13.2	27.0	94.8	277.5	353.0	621.1	9.9	109.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	15.0	114.9	11.2	23.7	80.2	211.7	282.7	478.1	4.4	102.3	(NA)	(NA)
1963 Census....	24	12	14.3	99.7	10.6	20.8	67.4	186.2	249.8	437.9	7.2	83.8	83	90
1962 ASM[1].....	(NA)	(NA)	14.2	99.8	10.7	21.6	68.7	224.2	242.0	443.2	5.2	85.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	12.0	80.1	8.2	16.1	49.1	138.8	189.6	344.0	2.8	67.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	13.5	91.7	9.3	19.7	58.5	176.0	219.0	395.8	3.6	84.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	14.9	94.6	10.6	21.1	61.8	204.9	245.5	434.6	*2.6	86.6	(NA)	(NA)
1958 Census[2]...	25	13	15.3	90.1	10.7	21.1	58.3	152.1	224.8	407.5	5.3	68.6	85	90
INDUSTRY 3742.--RAILROAD AND STREET CARS														
1967 Census....	96	70	40.6	294.2	32.7	62.8	223.1	442.7	942.2	1,420.9	29.6	269.5	95	95
1966 ASM[1].....	(NA)	(NA)	43.8	324.5	36.0	72.3	252.2	642.2	1,077.3	1,695.7	35.1	286.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	40.9	286.4	33.2	65.6	221.5	528.9	984.8	1,519.8	25.7	253.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	37.4	255.2	30.0	60.7	197.5	509.9	818.2	1,289.7	25.2	242.6	(NA)	(NA)
1963 Census....	78	58	30.7	202.0	24.3	47.2	150.1	355.2	591.0	927.2	10.9	186.2	91	93
1962 ASM[1].....	(NA)	(NA)	27.4	179.6	20.9	40.5	128.1	277.0	418.4	665.7	11.9	164.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	22.6	144.8	16.7	31.2	96.7	184.2	335.4	538.9	8.5	139.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	28.7	170.7	23.1	42.4	124.8	275.2	461.5	723.0	8.5	164.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	23.4	139.2	17.9	33.6	96.9	246.0	311.1	513.4	9.3	145.2	(NA)	(NA)
1958 Census[2]...	67	44	24.3	133.3	17.9	32.6	91.1	167.6	310.8	562.2	8.6	95.6	87	90
INDUSTRY 3751.--MOTORCYCLES, BICYCLES, AND PARTS														
1967 Census....	91	33	12.0	70.3	10.1	19.1	53.4	136.2	170.6	299.6	5.5	60.3	89	96
1966 ASM[1].....	(NA)	(NA)	11.5	63.1	9.6	18.1	47.1	112.6	149.9	261.1	5.8	49.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	11.2	62.1	9.3	18.2	46.1	106.1	146.0	247.1	7.4	46.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	10.0	54.0	8.2	16.6	39.8	99.4	131.8	228.1	6.2	40.3	(NA)	(NA)
1963 Census....	88	33	9.7	48.4	7.9	15.2	34.4	82.2	112.2	192.9	3.2	36.0	83	93
1962 ASM[1].....	(NA)	(NA)	9.0	42.9	7.3	14.0	30.1	74.2	102.9	172.6	3.3	34.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	8.2	38.2	6.6	12.8	26.9	59.2	93.6	153.1	2.6	27.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.3	37.5	6.7	12.6	26.7	61.2	84.6	143.1	3.1	27.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.7	38.7	7.1	13.8	28.6	67.0	86.5	149.7	3.3	25.4	(NA)	(NA)
1958 Census[2]...	51	29	7.6	33.0	6.2	12.2	24.1	52.1	69.1	121.5	2.5	22.0	84	93

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3791.--TRAILER COACHES													
1967 Census	856	442	43.6	237.9	37.4	73.1	180.3	434.6	890.4	1,324.5	14.6	112.9	99	99
1966 ASM[1]	(NA)	(NA)	38.6	199.3	32.5	61.7	147.1	354.9	771.9	1,089.3	9.8	93.7	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	35.8	179.5	30.0	58.1	132.8	332.1	704.1	1,032.7	12.6	78.4	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	32.7	161.4	27.6	55.7	122.4	286.6	632.9	929.8	9.6	66.5	(NA)	(NA)
1963 Census	413	252	25.7	125.0	21.9	43.4	94.1	232.5	482.8	713.1	9.6	63.1	98	99
1962 ASM[1]	(NA)	(NA)	21.1	97.7	17.9	31.3	73.9	153.2	356.8	507.6	*2.8	51.3	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	20.7	88.7	17.5	29.8	64.8	135.1	328.9	464.1	*3.7	47.5	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	22.3	94.0	18.6	34.3	68.2	158.2	366.1	523.8	*3.8	50.9	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	21.4	95.4	18.1	34.9	69.4	159.5	386.2	538.7	8.0	58.6	(NA)	(NA)
1958 Census[2]	386	209	18.7	77.1	16.0	30.6	59.0	127.7	332.1	461.1	7.7	47.4	99	99
	INDUSTRY 3799.--TRANSPORTATION EQUIPMENT, N.E.C.													
1967 Census	454	141	11.2	60.5	9.4	18.4	43.8	116.9	170.1	284.4	6.4	41.1	94	75
1966 ASM[1]	(NA)	(NA)	9.5	47.9	7.8	15.4	34.1	95.1	139.2	232.2	*5.0	33.7	(NA)	(NA)
1965 ASM[1]	(NA)	(NA)	8.6	43.1	7.0	14.5	30.5	81.0	135.1	214.4	*4.0	29.1	(NA)	(NA)
1964 ASM[1]	(NA)	(NA)	9.2	43.3	7.4	14.7	31.8	75.8	113.3	187.0	*2.1	29.2	(NA)	(NA)
1963 Census	522	108	8.0	37.5	6.7	13.2	27.8	68.8	99.4	167.4	3.7	26.3	89	75
1962 ASM[1]	(NA)	(NA)	5.8	28.1	4.7	9.2	18.5	45.2	78.3	123.0	*0.9	18.8	(NA)	(NA)
1961 ASM[1]	(NA)	(NA)	5.8	27.4	4.6	9.5	17.5	40.6	70.8	111.1	1.1	18.3	(NA)	(NA)
1960 ASM[1]	(NA)	(NA)	6.0	28.3	4.9	9.6	18.9	43.0	73.8	115.9	2.3	19.0	(NA)	(NA)
1959 ASM[1]	(NA)	(NA)	5.5	24.9	4.3	8.9	17.4	40.7	74.0	113.4	*2.3	17.6	(NA)	(NA)
1958 Census[2]	256	69	4.8	20.4	3.8	7.4	14.2	38.2	55.1	92.8	2.4	14.9	86	73

Note: In 1967, 1963, and 1958, the number of companies in industry 3731 was 389, 305, and 286, respectively; in industry 3732: 1,565, and 1,626; industry 3741: 26, 23, and 24; industry 3742: 79, 68, and 56; industry 3751: 87, 85, and 49; industry 3791: 708, 348, and 363; industry 3799; 442, 507, and 253.

The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (*) These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Establishments in this industry reported value of work done rather than value of shipments. Consequently, the formula for computing value added by manufacture was not adjusted for inventory change between the beginning and end of the year. It does include value added by resale.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3731.--SHIP BUILDING AND REPAIRING								
1967 Census	7,752	82	2,023	3.55	.43	.86	10,305	75	6.19
1966 ASM	7,820	84	2,072	3.46	.42	.87	10,066	78	5.75
1965 ASM	7,253	84	2,037	3.31	.42	.87	9,232	79	5.40
1964 ASM	7,121	84	2,029	3.21	.42	.87	9,187	78	5.37
1963 Census	6,823	84	2,005	3.15	.40	.86	8,807	77	5.22
1962 ASM	6,565	84	1,980	3.10	.43	.87	8,546	77	5.12
1961 ASM	6,380	84	1,960	3.03	.43	.88	8,052	79	4.90
1960 ASM	6,226	84	1,994	2.90	.41	.87	7,986	78	4.79
1959 ASM	5,790	83	1,933	2.79	.39	.82	8,187	71	5.12
1958 Census	5,622	85	1,955	2.72	.44	.85	7,669	73	4.62

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3732.--BOAT BUILDING AND REPAIRING								
1967 Census	5,344	86	1,977	2.47	.52	.81	9,010	59	5.31
1966 ASM	4,728	82	1,957	2.27	.54	.84	8,027	59	5.03
1965 ASM	4,733	85	2,011	2.21	.53	.83	7,649	62	4.46
1964 ASM	4,764	85	2,064	2.14	.50	.80	8,201	58	4.70
1963 ASM	4,672	84	2,013	2.18	.51	.83	7,363	63	4.36
1962 ASM	4,604	83	2,127	2.02	.55	.80	6,534	70	3.70
1961 ASM	4,439	83	2,136	1.94	.56	.87	6,094	73	3.46
1960 ASM	4,226	84	1,952	1.98	.56	.88	5,905	72	3.58
1959 ASM	4,183	86	2,006	1.94	.56	.87	6,071	69	3.54
1958 Census	4,096	84	1,907	2.02	.54	.86	6,219	66	3.90
	INDUSTRY 3741.--LOCOMOTIVE AND PARTS								
1967 Census	8,291	73	2,009	3.86	.50	.69	21,575	38	14.69
1966 ASM	8,253	77	2,103	3.69	.56	.76	18,551	44	11.39
1965 ASM	7,719	78	2,048	3.51	.57	.78	16,370	47	10.28
1964 ASM	7,637	75	2,103	3.39	.59	.83	14,067	54	8.95
1963 Census	6,954	74	1,954	3.24	.57	.80	12,990	54	8.95
1962 ASM	7,018	75	2,019	3.18	.55	.77	15,771	44	10.39
1961 ASM	6,698	68	1,962	3.06	.55	.78	11,611	58	8.65
1960 ASM	6,781	69	2,114	2.98	.55	.78	13,022	52	8.96
1959 ASM	6,356	71	1,998	2.92	.56	.78	13,764	46	9.70
1958 Census	5,896	70	1,964	2.77	.55	.77	9,952	59	7.21
	INDUSTRY 3742.--RAILROAD AND STREET CARS								
1967 Census	7,246	81	1,920	3.55	.66	.87	10,904	66	7.05
1966 ASM	7,411	82	2,009	3.49	.64	.83	14,669	51	8.89
1965 ASM	7,010	81	1,975	3.37	.65	.84	12,945	54	8.06
1964 ASM	6,830	80	2,020	3.26	.63	.83	13,647	50	8.41
1963 Census	6,571	79	1,948	3.18	.64	.86	11,555	57	7.52
1962 ASM	6,550	76	1,938	3.17	.63	.90	10,102	65	6.84
1961 ASM	6,401	74	1,866	3.10	.62	.89	8,142	79	5.91
1960 ASM	5,941	80	1,836	2.94	.64	.87	9,581	62	6.50
1959 ASM	5,946	77	1,876	2.88	.61	.88	10,506	57	7.32
1958 Census	5,484	74	1,822	2.80	.55	.79	6,894	80	5.15
	INDUSTRY 3751.--MOTORCYCLES, BICYCLES, AND PARTS								
1967 Census	5,858	84	1,891	2.80	.57	.80	11,350	52	7.13
1966 ASM	5,465	83	1,896	2.60	.57	.82	9,757	56	6.21
1965 ASM	5,548	83	1,957	2.53	.59	.84	9,473	59	5.82
1964 ASM	5,421	83	2,023	2.39	.58	.81	9,974	54	5.97
1963 Census	5,012	82	1,915	2.27	.58	.83	8,512	59	5.43
1962 ASM	4,757	81	1,911	2.15	.60	.84	8,215	58	5.31
1961 ASM	4,646	81	1,927	2.11	.61	.86	7,187	65	4.63
1960 ASM	4,491	81	1,860	2.13	.59	.85	7,340	61	4.88
1959 ASM	4,465	82	1,944	2.07	.58	.84	7,728	58	4.84
1958 Census	4,357	82	1,977	1.97	.57	.84	6,878	63	4.27
	INDUSTRY 3791.--TRAILER COACHES								
1967 Census	5,456	86	1,955	2.47	.67	.85	9,968	55	5.95
1966 ASM	5,166	84	1,902	2.38	.71	.89	9,200	56	5.75
1965 ASM	5,020	84	1,935	2.28	.68	.86	9,287	54	5.71
1964 ASM	4,938	85	2,017	2.20	.68	.85	8,768	56	5.14
1963 Census	4,870	85	1,981	2.17	.68	.85	9,056	54	5.36
1962 ASM	4,636	85	1,745	2.36	.70	.90	7,269	64	4.89
1961 ASM	4,285	84	1,708	2.17	.71	.90	6,526	66	4.53
1960 ASM	4,210	83	1,840	1.99	.70	.88	7,088	59	4.62
1959 ASM	4,450	84	1,930	1.99	.72	.89	7,439	60	4.56
1958 Census	4,121	86	1,913	1.93	.72	.89	6,822	60	4.17
	INDUSTRY 3799.--TRANSPORTATION EQUIPMENT, NOT ELSEWHERE CLASSIFIED								
1967 Census	5,402	84	1,957	2.38	.60	.81	10,438	52	6.35
1966 ASM	5,056	86	1,967	2.22	.60	.81	10,046	50	6.18
1965 ASM	4,986	81	2,072	2.11	.63	.83	9,373	53	5.60
1964 ASM	4,696	80	1,976	2.17	.61	.84	8,215	57	5.16
1963 Census	4,675	83	1,982	2.11	.59	.82	8,569	55	5.22
1962 ASM	4,851	82	1,932	2.02	.64	.87	7,797	62	4.93
1961 ASM	4,682	79	2,066	1.85	.64	.88	6,946	67	4.28
1960 ASM	4,750	82	1,960	1.96	.64	.88	7,221	66	4.47
1959 ASM	4,530	79	2,048	1.96	.65	.87	7,420	61	4.59
1958 Census	4,295	80	1,939	1.93	.59	.81	8,027	54	5.19

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3731-- SHIP BUILDING AND REPAIRING													
UNITED STATES	415	253	138.8	1 076.0	114.2	231.0	819.4	1 430.4	1 087.8	2 518.2	70.3	114.6	1 009.7
NORTHEAST REGION	111	57	39.5	326.1	26.7	53.1	189.4	397.8	286.1	683.9	18.1	39.7	374.4
NEW ENGLAND DIVISION	35	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	23.3	229.6
MAINE	13	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	14	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	5	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	76	41	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	16.5	144.8
NEW YORK	39	21	3.1	23.8	2.7	5.2	19.4	36.4	17.3	53.6	.8	3.7	36.0
NEW JERSEY	25	14	3.2	29.5	2.7	5.6	23.7	40.6	15.1	55.6	.7	7.9	73.2
PENNSYLVANIA	12	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	35.6
NORTH CENTRAL REGION	38	24	6.8	46.1	6.0	12.2	38.7	69.0	56.4	125.4	3.3	4.0	33.0
EAST NORTH CENTRAL DIVISION	27	19	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	31.5
OHIO	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	5	3	.2	1.5	.2	.4	1.2	2.5	1.2	3.6	.2	[2](D)	[2](D)
MICHIGAN	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	6	6	1.1	7.8	1.0	2.1	6.5	11.2	11.3	22.5	.2	1.6	14.0
WEST NORTH CENTRAL DIVISION	11	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.4
MISSOURI	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	184	118	71.6	529.4	63.2	128.8	443.3	692.8	520.7	1 213.5	38.4	55.4	449.8
SOUTH ATLANTIC DIVISION	79	49	39.9	300.6	35.6	71.6	255.1	396.0	254.8	650.7	15.5	34.7	289.7
MARYLAND	11	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	12	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.8
SOUTH CAROLINA	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	42	22	5.5	40.8	5.0	11.2	34.4	60.0	29.0	89.0	1.0	3.5	25.3
EAST SOUTH CENTRAL DIVISION	28	18	12.7	92.5	10.9	22.1	74.2	94.4	87.0	181.3	4.8	8.8	53.6
KENTUCKY	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	9	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	17	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	77	51	19.0	136.3	16.7	35.1	114.1	202.4	179.0	381.4	18.1	12.0	106.5
LOUISIANA	44	28	12.0	86.1	10.6	23.4	73.8	128.5	133.9	262.4	(D)	7.2	64.8
TEXAS	31	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	82	54	21.0	174.5	18.3	36.9	147.9	270.8	224.6	495.4	10.5	15.6	152.5
PACIFIC DIVISION	81	54	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	15.6	152.5
WASHINGTON	26	16	6.3	56.1	5.4	11.6	49.0	73.0	79.0	152.1	2.0	[2](D)	[2](D)
OREGON	9	6	2.6	21.0	2.1	3.9	16.3	44.0	21.4	65.5	.3	2.0	19.7
CALIFORNIA	43	31	11.8	95.3	10.6	20.9	80.9	148.1	122.8	270.9	6.7	9.3	92.6
HAWAII	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3732-- BOAT BUILDING AND REPAIRING													
UNITED STATES	1 596	287	30.5	163.0	26.2	51.8	128.1	274.8	298.4	571.4	15.8	24.9	183.1
NORTHEAST REGION	365	63	6.9	40.1	6.0	12.3	32.2	62.0	62.4	125.1	2.6	6.3	48.2
NEW ENGLAND DIVISION	171	23	2.3	13.1	2.0	4.0	10.3	19.8	19.7	40.8	1.0	2.5	19.4
MAINE[e]	49	2	.3	1.5	.3	.6	1.3	2.2	2.0	4.2	.1	.5	2.6
MASSACHUSETTS	63	13	1.1	6.5	.9	1.9	5.1	10.2	9.6	19.5	.3	[2](D)	[2](D)
RHODE ISLAND	23	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.7
CONNECTICUT	28	2	.3	1.6	.2	.4	1.2	3.7	2.5	6.3	.5	.3	2.8
MIDDLE ATLANTIC DIVISION	194	40	4.6	27.0	4.0	8.3	21.9	42.2	42.7	84.3	1.6	3.8	28.8
NEW YORK	96	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8	12.9
NEW JERSEY	81	19	2.3	13.1	2.0	4.4	11.2	21.1	24.2	44.2	.7	1.2	9.6
PENNSYLVANIA	17	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	6.3
NORTH CENTRAL REGION	209	54	5.9	32.8	4.9	9.7	25.1	55.4	74.9	132.5	3.2	5.7	42.9
EAST NORTH CENTRAL DIVISION	143	36	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	35.4
OHIO	18	6	.4	2.4	.3	.6	1.8	3.7	3.2	6.8	.3	.5	4.0
INDIANA	23	9	.7	3.2	.6	1.2	2.5	5.8	5.6	11.7	.3	[2](D)	[2](D)
ILLINOIS	16	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	51	13	1.9	11.5	1.7	3.4	9.7	23.8	20.0	44.3	.7	1.9	14.4
WISCONSIN[e]	35	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.5
WEST NORTH CENTRAL DIVISION	66	18	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	7.4
MINNESOTA	26	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.0
MISSOURI	21	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	13	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	675	128	13.5	65.1	11.5	22.6	50.3	110.8	116.1	223.7	7.8	9.8	65.3
SOUTH ATLANTIC DIVISION	410	77	8.4	42.2	7.1	13.8	32.3	67.1	72.4	137.9	3.9	6.1	43.3
MARYLAND	58	7	1.5	8.2	1.3	2.4	6.6	12.4	12.2	24.9	.3	2.1	16.5
VIRGINIA[e]	52	8	.5	2.5	.5	.9	1.9	4.3	4.0	8.1	.3	.5	3.9
NORTH CAROLINA	40	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	3.5
SOUTH CAROLINA	14	5	.3	1.2	.3	.5	1.0	2.2	2.9	4.9	.1	.1	.6
GEORGIA	23	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	220	44	4.8	23.8	3.9	7.5	17.4	39.4	41.0	79.0	2.9	2.5	17.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3732-- BOAT BUILDING AND REPAIRING-CON.													
SOUTH REGION-CON.													
EAST SOUTH CENTRAL DIVISION	77	17	1.6	7.2	1.4	2.8	6.1	14.4	14.4	28.7	1.0	1.0	7.2
KENTUCKY	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
TENNESSEE	29	8	.9	4.1	.8	1.6	3.4	8.7	10.3	18.7	.6	2(D)	2(D)
ALABAMA[e]	23	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
MISSISSIPPI[e]	16	2	.2	.7	.2	.3	.6	1.4	1.1	2.4	.1	2(D)	2(D)
WEST SOUTH CENTRAL DIVISION	188	34	3.5	15.7	3.0	6.0	11.9	29.4	29.3	57.1	2.9	2.6	14.8
ARKANSAS	15	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	2.0
LOUISIANA	72	10	1.0	4.7	.9	1.9	3.9	7.6	6.8	14.2	.8	(D)	(D)
TEXAS	90	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	6.0
WEST REGION	347	42	4.3	24.9	3.8	7.2	20.5	46.5	45.0	90.2	2.2	3.1	26.8
MOUNTAIN DIVISION	21	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.8
UTAH	8	4	.2	.7	.1	.2	.6	1.0	2.1	3.2	.1	2(D)	2(D)
PACIFIC DIVISION	326	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	26.0
WASHINGTON	82	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	7.1
CALIFORNIA[e]	202	26	2.5	14.9	2.2	4.2	12.0	28.9	21.7	50.2	1.2	1.9	16.7
HAWAII[e]	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
3741-- LOCOMOTIVES AND PARTS													
UNITED STATES	27	15	16.0	132.5	11.7	23.5	90.8	345.2	346.0	689.6	10.8	14.3	186.2
NORTHEAST REGION	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
PENNSYLVANIA	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
NORTH CENTRAL REGION	17	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	15	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
ILLINOIS	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
3742-- RAILROAD AND STREET CARS													
UNITED STATES	96	70	40.6	294.2	32.7	62.8	223.1	442.7	942.2	1 420.9	29.6	30.7	355.2
NORTHEAST REGION	26	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MIDDLE ATLANTIC DIVISION	26	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
NEW JERSEY	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
PENNSYLVANIA	16	14	12.1	87.6	9.9	17.7	67.0	125.2	250.3	367.5	7.6	8.5	97.6
NORTH CENTRAL REGION	51	36	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	45	31	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	10	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	31.6
INDIANA	5	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
ILLINOIS	21	12	3.6	26.7	2.7	5.4	17.4	55.5	70.3	119.8	3.5	2(D)	2(D)
MICHIGAN	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WISCONSIN	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST NORTH CENTRAL DIVISION	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
KANSAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
SOUTH REGION	13	9	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST VIRGINIA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
GEORGIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
EAST SOUTH CENTRAL DIVISION	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
ALABAMA	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST SOUTH CENTRAL DIVISION	6	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WEST REGION	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	6	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
WASHINGTON	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OREGON	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2(D)	2(D)
CALIFORNIA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3751-- MOTORCYCLES, BICYCLES, AND PARTS													
UNITED STATES	92	33	12.0	70.3	10.1	19.1	53.4	136.2	170.6	299.6	7.3	9.7	82.2
NORTHEAST REGION	17	7	1.7	9.0	1.5	2.8	7.1	15.7	25.0	40.6	.2	1.4	11.7
NEW ENGLAND DIVISION	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	12	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	29	11	4.9	33.9	3.9	7.5	24.5	65.5	73.4	134.8	4.5	4.0	35.6
EAST NORTH CENTRAL DIVISION	25	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.0
INDIANA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.6
ILLINOIS	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	5	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEBRASKA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	13	7	4.3	21.4	3.8	7.1	17.0	45.5	59.4	102.7	2.2	[2](D)	[2](D)
SOUTH ATLANTIC DIVISION	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	33	8	1.1	6.1	1.0	1.7	4.8	9.5	12.8	21.5	.3	(D)	(D)
PACIFIC DIVISION	28	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	27	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.4
3791-- TRAILER COACHES													
UNITED STATES	856	442	43.6	237.9	37.4	73.1	180.3	434.6	890.4	1 324.5	14.6	25.6	232.5
NORTHEAST REGION	52	27	3.3	18.2	2.9	5.6	13.9	35.8	72.9	108.0	1.0	1.6	13.9
MIDDLE ATLANTIC DIVISION	45	26	3.3	18.0	2.8	5.6	13.8	35.3	72.3	106.9	(D)	1.6	13.8
PENNSYLVANIA	40	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	317	156	16.0	95.2	13.5	26.7	71.2	167.7	354.1	521.9	5.2	11.7	117.0
EAST NORTH CENTRAL DIVISION	226	114	12.1	74.4	10.1	19.5	55.1	129.7	279.0	408.0	3.4	9.4	93.4
OHIO	20	9	1.4	7.8	1.2	2.5	5.8	16.9	29.3	46.1	.2	.7	6.7
INDIANA	116	70	6.5	44.2	5.4	10.2	32.4	75.0	175.6	250.3	2.2	4.2	44.8
MICHIGAN	61	26	2.8	15.4	2.3	4.5	11.6	25.7	49.8	75.2	.7	3.6	37.0
WISCONSIN	14	9	1.3	6.6	1.1	2.3	5.0	10.9	22.8	33.7	.2	.9	4.9
WEST NORTH CENTRAL DIVISION	91	42	3.9	20.8	3.5	7.2	16.1	38.0	75.1	113.9	1.8	2.3	23.6
MINNESOTA	8	2	.2	1.1	.2	.4	.8	2.1	3.8	5.9	(D)	[2](D)	[2](D)
IOWA	12	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	1.7
MISSOURI	21	6	.4	1.9	.4	.7	1.6	3.2	6.8	9.9	.2	.2	1.1
NEBRASKA	10	7	.8	4.1	.7	1.5	3.4	8.1	15.7	24.1	(Z)	.6	4.9
KANSAS	35	20	1.9	10.8	1.7	3.6	8.1	19.6	38.3	58.6	(D)	1.1	13.5
SOUTH REGION	243	142	14.3	69.4	12.4	24.2	52.8	136.5	282.5	419.9	5.0	5.8	49.5
SOUTH ATLANTIC DIVISION	114	74	7.3	36.8	6.2	12.3	28.2	68.4	166.0	234.8	2.3	3.3	31.6
MARYLAND	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	12	10	.9	4.2	.8	1.5	3.1	8.0	19.9	27.9	.2	[2].4	2.3
SOUTH CAROLINA	12	9	.7	3.0	.6	1.2	2.3	5.9	15.2	21.0	.1	(D)	[2](D)
GEORGIA	33	26	2.9	16.2	2.6	5.2	12.4	29.7	76.3	106.4	1.4	1.5	16.7
FLORIDA	45	24	1.9	9.7	1.6	3.1	7.3	19.0	39.4	58.5	.5	.9	8.4
EAST SOUTH CENTRAL DIVISION	40	26	3.2	13.9	2.9	5.7	11.0	32.4	47.7	80.0	1.3	.8	4.4
KENTUCKY	10	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	13	5	.5	1.7	.4	.9	1.4	3.4	6.2	9.6	.4	[2](D)	[2](D)
ALABAMA	11	11	1.4	5.7	1.2	2.5	4.6	13.6	24.2	37.6	.6	[2](D)	[2](D)
MISSISSIPPI	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	89	42	3.8	18.7	3.3	6.2	13.6	35.8	68.9	105.1	1.3	1.7	13.6
ARKANSAS	10	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.1
LOUISIANA	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	14	8	.7	3.5	.5	.9	1.9	5.8	13.5	19.6	.3	.5	3.8
TEXAS	59	25	2.3	11.7	2.1	3.9	9.1	23.2	43.5	67.0	.8	1.1	7.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3791--TRAILER COACHES--CON.													
WEST REGION	244	117	10.0	55.1	8.7	16.6	42.4	94.5	180.8	274.7	3.4	6.6	52.5
MOUNTAIN DIVISION	69	25	1.8	9.2	1.6	3.1	7.1	15.5	32.8	48.5	.4	1.0	7.3
IDAHO	13	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.9
COLORADO	20	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.0
ARIZONA	16	4	.3	1.4	.2	.5	1.2	2.4	5.5	7.9	.1	.2	1.2
UTAH	13	4	.3	1.2	.3	.5	1.0	1.5	3.4	5.1	(Z)	[2](D)	[2](D)
PACIFIC DIVISION	175	92	8.1	45.9	7.0	13.5	35.3	79.0	148.0	226.1	3.0	5.6	44.7
WASHINGTON	11	5	.3	1.6	.3	.5	1.3	2.4	5.9	8.0	.1	.2	1.0
OREGON	19	8	1.1	5.8	.9	1.8	4.6	8.6	15.2	23.9	1.1	.3	2.4
CALIFORNIA	145	79	6.7	38.5	5.8	11.2	29.4	68.1	127.0	194.3	1.9	5.1	41.3
3799-- TRANSPORTATION EQUIPMENT, NEC													
UNITED STATES	454	141	11.2	60.5	9.4	18.4	43.8	116.9	170.1	284.4	6.4	8.0	68.8
NORTHEAST REGION	46	11	1.0	5.6	.8	1.5	4.1	12.2	14.4	26.9	.6	1.0	10.4
MIDDLE ATLANTIC DIVISION	35	8	.8	4.9	.7	1.3	3.6	10.4	12.5	23.2	(D)	(D)	(D)
NEW JERSEY	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	21	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.6
NORTH CENTRAL REGION	193	70	5.9	33.1	5.0	9.9	24.1	59.0	91.8	149.5	2.6	3.6	30.6
EAST NORTH CENTRAL DIVISION	116	46	3.7	21.7	3.1	6.0	15.4	39.3	61.5	100.2	1.8	2.1	17.8
OHIO	30	9	.9	5.9	.8	1.6	4.0	8.6	14.1	23.2	.3	.8	6.2
INDIANA	28	15	1.0	6.3	.8	1.7	4.5	11.0	19.8	30.8	.7	.6	7.1
ILLINOIS	17	4	.3	1.5	.3	.5	1.1	3.3	4.8	8.1	.1	.2	1.2
MICHIGAN	26	9	.9	5.2	.8	1.4	3.9	10.3	13.9	23.8	.5	.2	1.7
WISCONSIN	15	9	.6	2.8	.4	.8	2.0	6.0	9.0	14.3	.2	.3	1.6
WEST NORTH CENTRAL DIVISION	77	24	2.2	11.4	1.9	3.9	8.7	19.7	30.3	49.3	.9	1.5	12.8
MINNESOTA	14	5	.4	1.9	.4	.7	1.5	4.1	9.9	13.9	(D)	[2](D)	[2](D)
IOWA	21	8	.7	3.6	.5	1.1	2.6	5.2	7.2	12.4	(D)	.7	5.3
MISSOURI	13	4	.4	1.6	.3	.7	1.4	2.7	5.4	7.6	.1	.2	2.5
NEBRASKA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KANSAS	17	4	.4	2.0	.3	.6	1.5	3.8	4.2	7.9	.1	.3	2.8
SOUTH REGION	128	41	2.8	13.0	2.3	4.4	9.4	27.0	43.2	69.1	1.5	1.6	11.7
SOUTH ATLANTIC DIVISION	55	18	1.4	7.2	1.2	2.2	4.9	14.9	22.4	36.3	.7	.6	4.1
NORTH CAROLINA[e]	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.6
GEORGIA[e]	12	5	.4	1.6	.3	.6	1.2	3.4	5.8	9.1	.2	[2](D)	[2](D)
FLORIDA	26	8	.5	2.8	.4	.8	1.8	4.3	7.7	11.8	.2	.2	2.2
EAST SOUTH CENTRAL DIVISION	12	4	.3	1.2	.2	.5	.8	2.9	5.4	8.6	.2	.2	1.5
TENNESSEE	7	4	.2	1.0	.2	.4	.7	2.3	5.0	7.7	.2	(D)	(D)
WEST SOUTH CENTRAL DIVISION	61	19	1.1	4.6	.9	1.8	3.7	9.1	15.4	24.2	.7	.8	6.2
OKLAHOMA	15	4	.2	1.0	.2	.4	.9	1.9	2.6	4.4	.1	.1	.8
TEXAS	39	12	.7	3.1	.6	1.2	2.5	6.7	11.5	17.8	.5	[2](D)	[2](D)
WEST REGION	87	19	1.6	8.8	1.3	2.5	6.2	18.7	20.7	38.9	1.6	1.9	16.1
MOUNTAIN DIVISION	23	5	.4	1.7	.3	.7	1.3	2.7	4.7	7.5	.2	(D)	D)
PACIFIC DIVISION	64	14	1.2	7.1	1.0	1.8	4.9	16.0	16.0	31.5	1.4	(D)	(D)
CALIFORNIA	42	13	1.1	6.4	.9	1.7	4.4	14.7	14.9	28.9	1.4	1.2	10.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under $50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Ship building and repairing (SIC 3731)	Boat building and repairing (SIC 3732)	Locomotives and parts (SIC 3741)	Railroad and street cars (SIC 3742)	Motorcycles, bicycles, and parts (SIC 3751)	Trailer coaches (SIC 3791)	Transportation equipment, n.e.c. (SIC 3799)
PRIMARY PRODUCT SPECIALIZATION RATIO[1] . . . . PERCENT	.95	.96	(80-85)	.95	.89	.99	.94
COVERAGE RATIO[2] . . . . . DO	.98	.91	.92	.95	.96	.99	.75
ESTABLISHMENTS, TOTAL . . . . . NUMBER	415	1 596	27	96	91	856	454
WITH 1 TO 19 EMPLOYEES . . . . . DO	162	1 309	12	26	59	414	313
WITH 20 TO 99 EMPLOYEES . . . . . DO	136	213	10	23	13	300	117
WITH 100 EMPLOYEES OR MORE . . . . . DO	117	74	5	47	20	142	24
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	138.8	30.5	16.0	40.6	12.0	43.6	11.2
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	1 076.0	163.0	132.5	294.2	70.3	237.9	60.5
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	114.2	26.2	11.7	32.7	10.1	37.4	9.4
MARCH . . . . . DO	113.2	26.9	12.1	34.9	9.6	33.6	9.4
MAY . . . . . DO	115.6	28.1	11.5	34.3	9.7	36.9	10.1
AUGUST . . . . . DO	114.6	24.7	11.3	32.0	10.7	40.5	9.3
NOVEMBER . . . . . DO	113.3	25.0	12.1	29.5	10.5	38.7	8.9
MAN-HOURS . . . . . MILLIONS	231.0	51.8	23.5	62.8	19.1	73.1	18.4
JANUARY-MARCH . . . . . DO	58.4	13.6	6.3	17.5	4.3	15.4	4.5
APRIL-JUNE . . . . . DO	59.1	14.1	6.0	16.9	4.9	18.8	5.0
JULY-SEPTEMBER . . . . . DO	56.6	11.9	5.1	14.3	5.1	20.0	4.4
OCTOBER-DECEMBER . . . . . DO	57.0	12.1	6.1	14.2	4.8	18.9	4.5
WAGES . . . . . MILLION DOLLARS	819.4	128.1	90.8	223.1	53.4	180.3	43.8
COST OF MATERIALS, ETC., TOTAL . . . . . DO	1 087.8	298.4	346.0	942.2	170.6	890.4	170.1
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . DO	1 025.5	271.4	323.4	919.9	152.3	867.1	161.9
COST OF RESALES . . . . . DO	9.2	16.6	(D)	10.0	13.2	16.3	3.7
FUELS CONSUMED . . . . . DO	6.7	2.0	(D)	4.8	1.5	1.9	.7
PURCHASED ELECTRIC ENERGY . . . . . DO	13.3	2.7	(D)	5.4	1.4	3.2	.9
CONTRACT WORK . . . . . DO	33.1	5.7	(D)	2.1	2.2	1.8	2.8
VALUE OF SHIPMENTS, INCLUDING RESALES . . . . . DO	[3] 2 518.2	571.4	689.6	1 420.9	299.6	1 324.5	284.4
VALUE OF RESALES . . . . . DO	10.8	20.3	(D)	14.0	16.7	24.1	5.6
VALUE ADDED BY MANUFACTURE . . . . . DO	1 430.4	274.8	345.2	442.7	136.2	434.6	116.9
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL . . . . . DO	633.3	110.5	119.2	328.2	51.4	103.2	37.2
FINISHED PRODUCTS . . . . . DO	5.9	39.1	24.3	26.5	14.1	33.5	12.8
WORK IN PROCESS . . . . . DO	558.6	30.4	90.0	208.9	21.8	9.0	9.1
MATERIALS, SUPPLIES, FUEL, ETC. . . . . DO	68.9	41.0	4.9	92.8	15.4	60.7	15.2
END OF YEAR, TOTAL . . . . . DO	800.3	115.5	119.7	269.5	60.3	112.9	41.1
FINISHED PRODUCTS . . . . . DO	6.8	39.0	18.8	33.2	17.8	33.2	14.7
WORK IN PROCESS . . . . . DO	728.8	32.2	97.0	166.1	25.3	9.8	9.8
MATERIALS, SUPPLIES, FUEL, ETC. . . . . DO	64.7	44.3	3.8	70.2	17.2	69.9	16.6
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . DO	73.9	17.7	11.2	30.5	5.6	15.7	7.1
NEW PLANT AND EQUIPMENT, TOTAL . . . . . DO	70.3	15.8	10.8	29.6	5.5	14.6	6.4
NEW STRUCTURES AND ADDITIONS TO PLANT . . . DO	33.9	8.1	3.2	8.3	2.0	7.6	2.4
NEW MACHINERY AND EQUIPMENT . . . . . DO	36.5	7.7	7.7	21.4	3.5	7.0	4.0
USED PLANT AND EQUIPMENT . . . . . DO	3.5	1.9	.4	.9	.1	1.0	.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3] Represents value of work done rather than value of shipments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3731-- SHIP BUILDING AND REPAIRING											
ESTABLISHMENTS, TOTAL	415	138.8	1 076.0	114.2	231.0	819.4	1 430.4	1 087.8	[3] 2 518.2	70.3	800.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	72	.1	.9	.1	.2	.7	1.7	1.1	[3] 2.8	(Z)	.4
5 TO 9 EMPLOYEES[e]	37	.3	1.8	.2	.6	1.5	3.1	2.0	[3] 5.1	(Z)	.4
10 TO 19 EMPLOYEES	53	.7	4.6	.6	1.2	3.6	7.5	5.0	[3] 12.4	.3	1.2
20 TO 49 EMPLOYEES	85	2.7	17.0	2.3	4.4	13.5	26.9	16.7	[3] 43.6	1.1	4.6
50 TO 99 EMPLOYEES	51	3.5	24.8	3.0	6.1	20.2	37.6	26.6	[3] 64.1	1.6	7.5
100 TO 249 EMPLOYEES	42	6.2	41.1	5.4	11.2	33.8	68.7	47.4	[3] 116.1	3.3	15.4
250 TO 499 EMPLOYEES	28	10.0	69.4	8.9	17.9	58.3	112.5	89.2	[3] 201.8	4.8	36.2
500 TO 999 EMPLOYEES	19	13.3	100.0	11.8	23.8	84.1	158.1	92.3	[3] 250.5	5.0	37.7
1,000 TO 2,499 EMPLOYEES	17	24.8	196.7	20.7	41.6	154.8	279.7	237.0	[3] 516.7	11.9	87.4
2,500 EMPLOYEES OR MORE	11	77.2	619.7	61.0	124.1	449.0	734.6	570.5	[1] 1 305.1	42.2	609.6
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	78	.2	1.5	.2	.4	1.2	2.5	1.6	[3] 4.0	(Z)	.6
3732-- BOAT BUILDING AND REPAIRING											
ESTABLISHMENTS, TOTAL	1 596	30.5	163.0	26.2	51.8	128.1	274.8	298.4	571.4	15.8	115.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	913	1.4	6.4	1.4	2.6	5.8	15.6	15.2	30.8	1.0	5.1
5 TO 9 EMPLOYEES	220	1.5	6.8	1.4	2.6	6.0	11.6	10.6	22.1	1.0	3.4
10 TO 19 EMPLOYEES	176	2.4	12.6	2.2	4.1	10.6	20.8	16.5	37.1	1.5	5.2
20 TO 49 EMPLOYEES	145	4.6	24.1	4.0	7.9	19.6	39.4	37.5	76.2	2.3	11.1
50 TO 99 EMPLOYEES	68	4.7	27.3	4.0	8.2	20.6	49.3	49.9	99.7	2.7	14.1
100 TO 249 EMPLOYEES	55	8.0	41.4	6.7	13.5	32.1	67.6	73.4	139.6	3.5	32.1
250 TO 499 EMPLOYEES	12	3.9	21.6	3.3	6.5	16.5	40.5	51.2	89.5	2.5	22.8
500 TO 999 EMPLOYEES	7	3.9	22.8	3.2	6.4	16.9	30.0	44.0	76.6	1.2	21.8
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	1 018	2.5	10.9	2.5	4.6	9.8	21.3	20.9	42.2	1.6	7.6
3741-- LOCOMOTIVES AND PARTS											
ESTABLISHMENTS, TOTAL	27	16.0	132.5	11.7	23.5	90.8	345.2	346.0	689.6	10.8	119.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	4	16.0	132.5	11.7	23.5	90.8	345.2	346.0	689.6	10.8	119.7
5 TO 9 EMPLOYEES	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3742-- RAILROAD AND STREET CARS											
ESTABLISHMENTS, TOTAL	96	40.6	294.2	32.7	62.8	223.1	442.7	942.2	1 420.9	29.6	269.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	10	(Z)	.2	(Z)	(Z)	.1	.3	.4	.8	(Z)	.1
5 TO 9 EMPLOYEES	7	(Z)	.3	(Z)	.1	.2	.6	2.0	2.6	.1	.2
10 TO 19 EMPLOYEES	9	.1	1.1	.1	.3	.7	2.0	2.5	4.5	(D)	.6
20 TO 49 EMPLOYEES	13	.4	2.8	.4	.7	2.1	7.7	10.1	17.8	.4	1.7
50 TO 99 EMPLOYEES	10	.6	4.0	.5	1.0	3.0	11.4	14.0	25.5	.3	3.1
100 TO 249 EMPLOYEES	14	2.4	15.5	2.0	3.8	12.0	18.3	75.8	95.6	1.9	19.2
250 TO 499 EMPLOYEES	9	3.1	19.8	2.5	4.9	14.9	39.8	45.5	84.3	2.8	13.6
500 TO 999 EMPLOYEES	9	7.3	53.8	5.6	11.2	38.5	57.7	166.5	224.8	5.6	84.5
1,000 TO 2,499 EMPLOYEES	13	26.6	196.6	21.5	40.7	151.6	304.9	625.4	965.1	18.5	146.4
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3751-- MOTORCYCLES, BICYCLES, AND PARTS											
ESTABLISHMENTS, TOTAL	91	12.0	70.3	10.1	19.1	53.4	136.2	170.6	299.6	5.4	60.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	39	.1	.3	.1	.1	.3	.7	1.0	1.7	.2	.3
5 TO 9 EMPLOYEES	11	.1	.4	.1	.1	.3	.5	.6	1.1	(D)	.2
10 TO 19 EMPLOYEES	8	.7	4.4	.6	1.2	3.1	8.5	10.7	18.9	(D)	3.1
20 TO 49 EMPLOYEES	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	7	1.1	5.5	.9	1.7	3.8	11.7	19.5	30.5	.2	4.8
250 TO 499 EMPLOYEES	6	2.1	11.0	1.8	3.6	8.6	18.5	24.2	41.6	1.0	9.0
500 TO 999 EMPLOYEES	4	2.3	13.6	1.9	3.7	10.2	30.5	35.1	65.6	.6	11.7
1,000 TO 2,499 EMPLOYEES	2	5.6	35.2	4.7	8.7	27.2	65.7	79.6	140.2	3.4	31.3
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	40	.1	.5	.1	.2	.4	.9	1.3	2.3	(Z)	.4

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3791-- TRAILER COACHES											
ESTABLISHMENTS, TOTAL	856	43.6	237.9	37.4	73.1	180.3	434.6	890.4	1 324.5	14.6	112.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	270	.4	2.3	.4	.7	1.8	4.3	8.4	12.6	.4	1.5
5 TO 9 EMPLOYEES[e]	61	.4	2.1	.4	.7	1.7	3.7	6.9	10.5	.2	1.2
10 TO 19 EMPLOYEES	83	1.1	5.8	1.0	1.9	4.8	10.3	18.4	28.2	1.1	3.4
20 TO 49 EMPLOYEES	123	3.9	18.8	3.4	6.4	14.7	31.9	61.0	92.4	1.3	9.4
50 TO 99 EMPLOYEES	177	12.9	71.6	11.1	21.3	54.3	128.9	268.6	398.3	5.1	30.9
100 TO 249 EMPLOYEES	117	16.5	91.0	14.0	27.7	67.9	165.2	353.4	519.4	3.5	44.8
250 TO 499 EMPLOYEES	23	8.3	46.3	7.2	14.5	35.1	90.4	173.8	263.1	3.0	21.6
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	244	.6	2.8	.6	.9	2.2	5.0	10.5	15.5	.2	1.9
3799-- TRANSPORTATION EQUIPMENT, NEC											
ESTABLISHMENTS, TOTAL	454	11.2	60.5	9.4	18.4	43.8	116.9	170.1	284.4	6.4	41.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	165	.3	1.4	.3	.5	1.0	2.5	3.8	6.5	.1	1.1
5 TO 9 EMPLOYEES[e]	83	.5	2.6	.5	.9	2.0	4.5	6.9	11.0	.3	2.2
10 TO 19 EMPLOYEES	65	.9	4.4	.7	1.4	3.2	8.2	10.7	18.8	.4	2.5
20 TO 49 EMPLOYEES	72	2.3	11.7	1.9	3.7	8.6	21.4	31.7	53.2	1.2	6.3
50 TO 99 EMPLOYEES	45	2.9	16.0	2.5	4.9	11.5	33.0	54.3	85.4	1.4	12.3
100 TO 249 EMPLOYEES	21	3.2	17.2	2.7	5.5	13.0	35.4	45.8	80.4	2.4	13.0
250 TO 499 EMPLOYEES	3	1.0	7.2	.8	1.6	4.6	11.9	17.0	29.3	.6	3.6
500 TO 999 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1 e]	186	.6	2.7	.6	1.0	2.1	4.9	7.0	11.9	.3	2.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather then rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. [e] Over 30 percent of the data for this line was estimated.

[1] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2] Includes an unspecified amount for plants under construction but ont in operation.

[3] Represents value of work done rather than value of shipments.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3731	Ship building and repairing.....1967..	[1]2,518.2	2,314.6	129.0	74.6	95	[1]2,357.9	2,314.6	43.3	98
	1963..	[1]1,679.8	1,507.9	118.0	53.9	93	[1]1,518.0	1,507.9	10.1	99
3732	Boat building and repairing.....1967..	571.4	521.6	21.6	28.2	96	570.8	521.6	49.2	91
	1963..	360.2	321.7	11.6	26.9	97	338.1	321.7	16.5	95
3741	Locomotives and parts.....1967..	689.6	522.7	(D)	(D)	(80-85)	569.0	522.7	46.3	92
	1963..	437.9	342.0	70.5	25.4	83	378.1	342.0	36.1	90
3742	Railroad and street cars.....1967..	1,420.9	1,307.2	75.6	38.1	95	1,374.5	1,307.2	67.3	95
	1963..	927.2	813.4	83.4	30.4	91	871.0	813.4	57.6	93
3751	Motorcycles, bicycles, and parts.....1967..	299.6	251.3	31.3	17.0	89	262.6	251.3	11.3	96
	1963..	192.9	152.0	31.8	9.1	83	163.4	152.0	11.4	93
3791	Trailer coaches.....1967..	1,324.5	1,287.5	9.7	27.4	99	1,296.2	1,287.5	8.7	99
	1963..	713.1	686.3	15.2	11.6	98	690.3	686.3	4.0	99
3799	Transportation equipment, n.e.c.....1967..	284.4	257.7	16.5	10.2	94	342.2	257.7	84.5	75
	1963..	167.4	141.9	16.7	8.7	89	190.4	141.9	48.5	75

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]Represents value of work done rather than value of shipments.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products and miscellaneous receipts	All industries	Ship building and repairing (SIC 3731)	Boat building and repairing (SIC 3732)	Locomotives and parts (SIC 3741)	Railroad and street cars (SIC 3742)	Motorcycles, bicycles, and parts (SIC 3751)	Trailer coaches (SIC 3791)	Transportation equipment, n.e.c. (SIC 3799)	Other industries
	Total shipments and miscellaneous receipts	(X)	2,518.2	571.4	689.6	1,420.9	299.6	1,324.5	284.4	(X)
3731-	Ship building and repairing	2,357.9	[1]2,314.6	7.8	-	(over 2)	-	-	-	(20-50)
37311	Nonpropelled ships, new construction	149.0	[1]137.4	(under 2)	-	(over 2)	-	-	-	(5-10)
37312	Self-propelled ships, U.S. military, new construction	973.8	[1]955.0	(under 2)	-	-	-	-	-	(over 2)
37313	Self-propelled ships, nonmilitary, new construction	361.8	[1]352.7	3.9	-	(under 2)	-	-	-	(2-5)
37314	Ship repair, U.S. military	423.0	[1]421.4	(under 2)	-	-	-	-	-	(under 2)
37316	Repair of nonmilitary ships	407.2	[1]405.6	(under 2)	-	-	-	-	-	(under 2)
37310	Ship building and repairing, n.s.k	43.2	[1]42.6	(under 2)	-	-	-	-	-	(under 2)
3732-	Boat building and repairing	570.8	20.8	521.6	-	(5-10)	-	(under 2)	-	(20-50)
37321	Inboard motor boats	259.0	(2-50)	235.0	-	(over 2)	-	(under 2)	-	(10-20)
37322	Outboard motor boats, including prefabricated kits	70.2	(under 2)	68.8	-	-	-	-	-	(under 2)
37323	All other boats (sailboats, rowboats, canoes, etc.)	45.6	(under 2)	43.8	-	(under 2)	-	-	-	(under 2)
37324	Boat repair	82.2	16.4	61.3	-	(under 2)	-	-	-	(2-5)
37320	Boat building and repairing, n.s.k	114.0	-	112.7	-	-	-	-	-	1.3
3741-	Locomotives and parts	569.0	-	-	522.7	(5-10)	-	-	-	(20-50)
37411	Locomotives, new and rebuilt, railroad road service and switching type	310.3	-	-	522.7	-	-	-	-	(under 2)
37412	Mining and industrial type locomotives, new and rebuilt	9.6	-	-		(under 2)	-	-	-	(over 2)
37413	Parts for locomotives, for sale separately	248.0	-	-		(over 2)	-	-	-	(over 2)
37410	Locomotives and parts, n.s.k	1.2	-	-		-	-	-	-	(under 2)
3742-	Railroad and street cars	1,374.5	(under 2)	-	(under 2)	1,307.2	-	-	-	66.5
37421	Passenger train cars, new	6.4	-	-	(under 2)	1,307.2	-	-	-	(under 2)
37422	Freight train cars, new	1,020.1	(under 2)	-	-		-	-	-	(over 2)
37423	Streetcars, parts and accessories for railroad and street cars, and rebuilt passenger and freight train cars	340.4	-	-	(under 2)		-	-	-	(over 2)
37420	Railroad and street cars, n.s.k	7.6	-	-	(under 2)		-	-	-	-
37510	Bicycles, motorcycles, motorbikes, motorscooters, and parts	262.6	-	-	-	(under 2)	251.3	-	(under 2)	10.8
37910	Trailer coaches, housing type	1,296.2	-	-	-	-	-	1,287.5	(2-5)	(5-10)
3799-	Transportation equipment, n.e.c.	342.2	-	2.0	-	-	2.4	3.1	257.7	77.0
37991	Automobile trailers, excluding housing type coaches	98.8	-	(under 2)	-	-	-	(2-5)	94.4	1.6
37992	Other transportation equipment	209.7	-	(under 2)	-	-	2.4	(under 2)	132.0	73.0
37990	Transportation equipment, n.e.c., n.s.k	33.7	-	-	-	-	-	-	31.3	2.4
	Other product shipments by 4 digit product group									
1931-	Tanks and tank components	(X)	-	-	-	(over 2)	-	-	-	(X)
3317-	Steel pipe and tubes	(X)	-	-	-	-	(over 2)	-	-	(X)
3391-	Iron and steel forgings	(X)	-	-	-	6.4	-	-	-	(X)
3433-	Heating equipment, except electric	(X)	(over 2)	-	-	-	-	-	(under 2)	(X)
3441-	Fabricated structural steel	(X)	40.5	0.3	-	-	-	-	(under 2)	(X)
3443-	Fabricated platework (boiler shop products)	(X)	(5-10)	(under 2)	-	(under 2)	-	(under 2)	(under 2)	(X)
3444-	Sheet metalwork	(X)	-	-	-	-	-	-	(over 2)	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products and miscellaneous receipts	All industries	Ship building and repairing (SIC 3731)	Boat building and repairing (SIC 3732)	Locomotives and parts (SIC 3741)	Railroad and street cars (SIC 3742)	Motorcycles, bicycles, and parts (SIC 3751)	Trailer coaches (SIC 3791)	Transportation equipment, n.e.c. (SIC 3799)	Other industries
	Other product shipments by 4 digit product group--Continued									
3449-	Miscellaneous metalwork	(X)	-	(under 2)	-	(under 2)	-	(2-5)	-	(X)
3494-	Values and pipe fittings	(X)	(2-5)	-	-	(under 2)	-	-	(under 2)	(X)
3499-	Fabricated metal products, n.e.c.	(X)	(2-5)	(under 2)	-	(under 2)	(under 2)	-	(under 2)	(X)
3511-	Steam engines and turbines	(X)	(over 2)	-	-	(under 2)	-	-	-	(X)
3519-	Internal combustion engines, n.e.c.	(X)	(under 2)	(5-10)	(over 2)	-	-	-	-	(X)
3522-	Farm machinery	(X)	-	(under 2)	(under 2)	-	(under 2)	(under 2)	5.0	(X)
3531-	Construction machinery	(X)	(2-5)	(under 2)	-	(5-10)	-	-	-	(X)
3532-	Mining machinery	(X)	7.1	-	-	(under 2)	-	-	-	(X)
3533-	Oilfield machinery	(X)	(under 2)	-	(over 2)	-	-	-	-	(X)
3559-	Special industry machinery, n.e.c.	(X)	7.6	-	(over 2)	-	-	-	(under 2)	(X)
3561-	Pumps and compressors	(X)	(10-20)	-	-	(over 2)	-	-	-	(X)
3567-	Industrial furnaces and ovens	(X)	-	-	-	(2-5)	-	-	-	(X)
3585-	Refrigeration machinery	(X)	-	-	-	(over 2)	-	-	-	(X)
3599-	Miscellaneous machinery, except electrical	(X)	(2-5)	(under 2)	-	-	-	-	(under 2)	(X)
3621-	Motors and generators	(X)	-	-	(50-100)	-	-	-	-	(X)
3634-	Electric housewares and fans	(X)	-	-	-	-	(over 2)	-	-	(X)
3729-	Aircraft equipment, n.e.c.	(X)	(over 2)	(under 2)	-	(10-20)	-	-	-	(X)
3811-	Engineering and scientific instruments	(X)	(over 2)	-	-	(over 2)	-	-	-	(X)
3943-	Children's vehicles, except bicycles	(X)	-	-	-	-	(10-20)	-	(under 2)	(X)
	Other secondary products	(X)	53.0	11.5	(D)	60.8	28.9	6.5	11.5	(X)
	Miscellaneous receipts	(X)	74.6	28.2	(D)	38.1	17.0	27.4	10.2	(X)
93000	Contract work	(X)	10.1	2.6	(under 2)	2.2	(under 2)	(under 2)	(under 2)	(X)
99980	Scrap and refuse	(X)	7.4	0.6	(5-10)	2.8	(X)	(X)	(X)	(X)
99980	Repair work	(X)	(X)	(X)	(2-5)	14.6	(X)	(X)	(X)	(X)
99989	Sales of products bought and resold	(X)	10.8	20.3	(20-50)	14.0	16.7	24.1	5.6	(X)
99980	Other miscellaneous receipts	(X)	46.5	4.7	-	4.5	(under 2)	(over 2)	(2-5)	(X)
	Listing of the other industries with over $2 million shipments of the primary products:									
3731-	1925 Complete guided missiles	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(10-20)
	3536 Hoists, cranes, and monorails	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3722 Aircraft engines and engine parts	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3732-	3519 Internal combustion engines, n.e.c.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	20.6
3741-	3511 Steam engines and turbines	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3519 Internal combustion engines, n.e.c.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3532 Mining machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3559 Special industry machinery, n.e.c.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3722 Aircraft engines and engine parts	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3742-	1931 Tanks and tank components	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3362 Brass, bronze, and copper castings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3441 Fabricated structural steel	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	18.4

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products and miscellaneous receipts	All industries	Ship building and repairing (SIC 3731)	Boat building and repairing (SIC 3732)	Locomotives and parts (SIC 3741)	Railroad and street cars (SIC 3742)	Motorcycles, bicycles, and parts (SIC 3751)	Trailer coaches (SIC 3791)	Transportation equipment, n.e.c. (SIC 3799)	Other industries
	Listing of the other industries with over $2 million shipments of the primary products:--Continued									
3742-	3481 Miscellaneous fabricated wire products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3494 Values and pipe fittings	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3722 Aircraft engines and engine parts	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3751-	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	2.2
	3714 Motor vehicle parts and accessories	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3791-	3711 Motor vehicles	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3799-	1929 Ammunition, except for small arms, n.e.c.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3519 Internal combustion engines, n.e.c.	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(X)	X	(X)	31.3
	3531 Construction machinery	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3713 Truck and bus bodies	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
	3715 Truck trailers	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
	3943 Children's vehicles, except bicycles	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]Represents value of work done rather than value of shipments.

TABLE 6A.1. Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total value of work done[1]			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3731- --	SHIP BUILDING AND REPAIRING, TOTAL[2]	.....	(X)	2,357.9	(X)	1,518.0
37311 --	Nonpropelled ships, new construction	.....	(X)	149.0	(X)	82.2
37311 11	Nonpropelled ships, new construction, military, including hopper barges, tank barges, covered cargo barges, deck barges, dredges, car floats, etc	Number of ships.....	40	5.1	202	1.6
	Nonpropelled ships--nonmilitary ships, new construction:					
37311 21	Hopper barges	...do.....	495	35.7	490	18.8
37311 31	Tank barges	...do.....	318	43.9	911	17.1
37311 41	Covered cargo barges	...do.....	153	14.4	162	9.2
37311 51	Deck barges	...do.....	285	27.0	229	7.6
37311 61	Dredges	...do.....			33	3.0
37311 71	Car floats	...do.....			-	-
37311 75	Drilling platforms	Number.....	188	22.9		
37311 81	Other nonmilitary nonpropelled vessels	Number of ships.....			1,284	25.0
37312 11	Self-propelled ships, new construction, U.S. military (including combat ships, troop transport vessels, fleet auxiliaries service craft, etc.)	.....	(X)	973.8	(X)	681.7
37313 --	Self-propelled ships, nonmilitary, new construction	.....	(X)	361.8	(X)	242.8
37313 11	Yachts	Number.....	652	30.0		
37313 21	Nonmilitary, including passenger ships, passenger-cargo, dry cargo, tankers, towboats, tugboats, tender vessels, commercial sailing vessels, yachts, ferryboats, fireboats, etc	Dead wt. tons.	(NA)	331.8	(X)	242.8
37314 --	Ship repair, U.S. military	.....	(X)	423.0	(X)	221.8
	Military sea transportation service:					
37314 21	Conversions and reconversions	.....	(X)	43.7	(X)	2.3
37314 29	All other repairs	.....	(X)	123.4	(X)	25.4
	All other:					
37314 31	Conversion and reconversions	.....	(X)	111.8	(X)	62.3
37314 39	All other repairs	.....	(X)	144.1	(X)	131.8
37316 --	Repair of nonmilitary ships	.....	(X)	407.2	(X)	277.4
	Maritime Administration:					
37316 13	Conversions and reconversions	.....	(X)	12.0	(X)	19.4
37316 19	All other repairs	.....	(X)	58.7		
	All others:					
37316 53	Conversions and reconversions	.....	(X)	91.9	(X)	19.3
37316 59	All other repairs	.....	(X)	243.6	(X)	238.3
37316 00	Repair of nonmilitary ships, n.s.k	.....	(X)	1.1	(X)	0.4
37310 00	Ship building and repairing, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	.....	(X)	39.2	(X)	11.9
37310 02	Ship building and repairing, n.s.k. (Represents principally establishments with 10 or less employees in 1967. See Note.)	.....	(X)	4.0		

See footnotes at end of table.

TABLE 6A.1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of boats)	Value (million dollars)	Quantity (number of boats)	Value (million dollars)
3732- --	BOAT BUILDING AND REPAIRING, TOTAL	(X)	570.8	(X)	338.1
37321 --	Inboard motorboats	(X)	259.0	(X)	127.5
37321 11	Boats of special Army, Navy, or Coast Guard design (new construction)	(NA)	21.2	(NA)	5.2
	Boats, nonmilitary, new construction (other than specially designed types built for the Army, Navy, or Coast Guard): Motorboats, excluding sailboats with auxiliary power, lifeboats, and prefabricated boat construction kits: Inboard powered boats:				
37321 31	Runabouts (wood, metal, plastic reinforced)	1,376	5.1	3,112	10.0
	Cabin cruisers: Under 26' in length:				
37321 41	Wood	960	4.8	1,928	7.6
37321 51	Metal	172	1.2	29	0.1
37321 61	Plastics (reinforced)	13,442	37.7	982	3.3
	26' or over and less than 40' in length:				
37321 43	Wood	4,647	50.3	5,130	48.9
37321 53	Metal	730	8.7	354	4.1
37321 63	Plastics (reinforced)	1,378	21.2	349	6.1
	40' and over in length:				
37321 45	Wood	497	20.3	349	15.9
37321 55	Metal	201	8.2	67	3.8
37321 65	Plastics (reinforced)	158	5.9	77	2.3
	Inboard-outdrive boats (inboard engine with outdrive propulsion)				
37321 73	Under 20' in length	17,601	44.6	8,527	19.1
37321 75	20' and over in length	6,882	25.6		
37321 00	Inboard motorboats, n.s.k	(X)	4.2	(X)	0.9
37322 --	Outboard motorboats, including prefabricated kits	(X)	70.2	(X)	78.0
	Outboard motorboats (all types) including prefabricated kits (excluding sailboats with auxiliary power, lifeboats): Runabouts: 13'6" and under in length:				
37322 21	Wood	56,360	4.2	5,761	1.3
37322 31	Metal			37,322	3.7
37322 41	Plastic (reinforced)	4,488	2.1	9,281	3.0
	13'7" to 15'6" in length:				
37322 23	Wood	28,960	3.1	4,904	1.4
37322 33	Metal			30,292	6.3
37322 43	Plastic (reinforced)	24,154	13.3	29,247	15.1
	15'7" to 17'6" in length:				
37322 25	Wood	733	0.6	4,129	3.3
37322 35	Metal	7,208	1.3	r 8,731	3.8
37322 45	Plastic (reinforced)	25,004	20.9	r 24,027	r 20.6
	17'7" and over in length:				
37322 26	Wood	744	1.2	3,071	3.4
37322 36	Metal			1,574	1.0
37322 46	Plastic (reinforced)	5,153	6.7	3,087	3.3
	Utility:				
37322 27	Wood	[3]18,338	[3]9.4	320	0.4
37322 37	Metal			17,307	2.9
37322 47	Plastic (reinforced)			1,671	0.7
	Cabin cruisers:				
37322 28	Wood	88	0.3	691	1.1
37322 38	Metal	323	0.7	824	1.2
37322 48	Plastic (reinforced)	765	2.5	2,735	3.7
37322 51	Prefabricated boat construction kits	([3])	([3])	(NA)	0.2
37322 00	Outboard motor boats, n.s.k	(X)	3.7	(X)	1.4
37323 --	All other boats (sailboats, rowboats, canoes, etc.)	(X)	45.6	(X)	36.5
37323 13	Sailboats	46,603	32.9	13,724	17.9
37323 19	Other boats, including rowboats, canoes, skiffs, dinghies, lifeboats, etc.	58,521	11.7	85,954	18.5
37323 00	All other boats, n.s.k	(X)	0.9	(X)	0.1

See footnotes at end of table.

TABLE 6A.1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (number of boats)	Value (million dollars)	Quantity (number of boats)	Value (million dollars)
3732- --	BOAT BUILDING AND REPAIRING --Continued				
37324 --	Boat repair	(X)	82.2	(X)	42.6
37324 11	Repair of U.S. military boats (receipts for repair work done on Army, Navy, or Coast Guard boats)	(X)	31.5	(X)	7.1
37324 21	Repair of nonmilitary boats (receipts for repair work done on all other boats)	(X)	48.7	(X)	34.8
37324 00	Boat repair, n.s.k.	(X)	1.9	(X)	0.8
37320 00	Boat building and repairing, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	(X)	72.2	(X)	53.5
37320 02	Boat building and repairing, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	41.8		

Product code	Product	Total shipments including interplant transfers					
		1967			1963		
		Quantity (number of units)	Weight (1,000 short tons)	Value (million dollars)	Quantity (number of units)	Weight (1,000 short tons)	Value (million dollars)
3741- --	LOCOMOTIVES AND PARTS, TOTAL[4]	(X)	(X)	569.0	(X)	(X)	378.1
37411 --	Locomotives, new and rebuilt, railroad road service and switching type, total	(X)	(X)	[5]310.3	(X)	(X)	[5]132.7
37411 44	Diesel-electric (new and rebuilt)	[5]1,418	[5]182.9	[5]310.3	[5]686	[5]73.8	[5]132.7
37411 46	Other (new and rebuilt)						
37412 --	Mining and industrial type locomotives, new and rebuilt, total	(X)	(X)	9.6	(X)	(X)	8.7
37412 10	Mining type, including rebuilt:						
	As reported in the Census of Manufactures	(X)	2.0	5.5	(X)	1.9	3.2
	As reported on Census Form MA-35F	220	(X)	5.0	181	(X)	3.4
37412 21	Industrial type (new and rebuilt)	77	2.8	4.1	72	2.8	5.6
37413 11	Parts for locomotives for sale separately (except wheels), including tenders, locomotive air brakes, repair parts, locomotive stokers, lubrication systems, super heaters, etc.	(X)	(X)	[5]248.0	(X)	(X)	[5]236.7
37410 00	Locomotives and parts, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	(X)	1.1	-	-	-
37410 02	Locomotives and parts, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	(X)	0.1	-	-	-

Product code	Product	Total shipments including interplant transfers				
		1967		1963		
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Weight (1,000 short tons)	Value (million dollars)
3742- --	RAILROAD AND STREET CARS, TOTAL[6]	(X)	1,374.5	(X)	(X)	871.0
37421 --	Passenger train cars, new, total	(X)	6.4	(X)	(X)	36.5
37421 11	Coach (excluding coach combination)	72	6.4	266	12.7	36.5
37421 98	Other passenger train cars, including postal, postal-nonpassenger combinations, express refrigeration and milk, self-propelled passenger and combination passenger-baggage cars, railmotor and multiple-unit electric cars, etc.					
37422 --	Freight train cars, new, total	(X)	1,020.1	(X)	(X)	523.0
37422 11	Box	18,558	316.7	10,652	403.5	182.3
37422 15	Flat	5,572	90.3	7,308	255.8	99.6
37422 25	Gondola	5,836	79.5	250	7.9	2.9
	Hopper (covered):					
37422 32	Aluminum	3,710	59.2	6,689	(X)	92.9
37422 34	Other	19,068	271.5			
	Hopper (uncovered):					
37422 36	Aluminum	1,817	23.3	1,693	(X)	24.9
37422 38	Other					

See footnotes at end of table.

TABLE 6A.1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers				
		1967		1963		
		Quantity (number of units)	Value (million dollars)	Quantity (number of units)	Weight (1,000 short tons)	Value (million dollars)
3742- --	RAILROAD AND STREET CARS--Continued					
37422 --	Freight train cars, new--Continued					
37422 45	Caboose	8,529	179.6	226	(X)	4.4
37422 41	Tank					
37422 43	Refrigerator			5,933	(X)	116.0
37422 98	Other freight train cars, including industrial rail cars not suitable for use on common carriers					
37423 --	Street cars, parts and accessories for railroad and street cars, rebuilt passenger and freight train cars, total	(X)	340.4	(X)	(X)	310.2
37423 13	Other cars, including railroad work equipment, street, subway, rapid transit, interurban cars, trolley buses, and self-propelled cars	(X)	97.1	(X)	(X)	287.2
37423 21	Parts and accessories for passenger and freight train cars, self-propelled cars and street, rapid transit, and interurban cars, (except wheels), for sale separately	(X)	212.5			
	Rebuilt passenger and freight train cars:					
37423 31	Rebuilt passenger train cars	(NA)	30.8	76	4.5	5.0
37423 51	Rebuilt freight train cars			4,166	105.2	18.0
37420 00	Railroad and street cars, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	7.1	(X)	(X)	1.3
37420 02	Railroad and street cars, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	0.5			

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3751- --	MOTORCYCLES, BICYCLES, AND PARTS, TOTAL	.....	(X)	262.6	(X)	163.4
37510 13	Motorcycles, including 3-wheel (excluding sidecars); trail vehicles, motorscooters and motorbikes	1,000 units	44.5	33.3	33.4	19.7
37510 53	Parts for motorcycles (including sidecars); trail vehicles, motorbikes, and motorscooters, including bicycle engines (excluding motorbike parts which are interchangeable with bicycle parts)	.....	(X)	12.2	(X)	9.1
	Bicycles and parts:					
37510 61	Bicycles, complete (excluding children's 2-wheel sidewalk cycles with semipneumatic tires)	1,000 units	4,871.2	143.5	3,811.2	96.6
357510 71	Parts for bicycles, including frame sets (including motorbike parts which are interchangeable with bicycle parts)	.....	(X)	33.1	(X)	23.0
37510 81	Self-propelled golf carts (electric and gasoline powered) for carrying passengers and/or industrial in-plant personnel carriers	1,000 units	38.9	36.3	17.8	12.1
37510 00	Motorcycles, bicycles, and parts, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	2.0	(X)	2.8
37510 02	Motorcycles, bicycles, and parts, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	2.3		
3791- --	TRAILER COACHES, TOTAL	.....	(X)	1,296.2	(X)	690.3
	Trailer coaches 30 feet or more in length (mobile homes):					
37910 21	8 feet to 9 feet 11 inches in width	1,000 units	14.1	53.4	15.4	60.2
37910 23	10 feet to 11 feet 11 inches in width	...do	30.8	114.7	119.3	449.1
37910 25	12 feet and over in width	...do	181.2	773.3	16.1	87.2
	Trailer coaches under 30 feet in length (recreation type coaches)					
37910 31	11 feet to 15 feet 11 inches in length	...do	27.5	31.3	12.9	12.6
37910 33	16 feet to 24 feet 11 inches in length	...do	47.7	104.8	21.7	38.3
37910 35	25 feet to 29 feet 11 inches in length	...do	12.5	50.5	4.8	14.0
37910 41	Pick up coaches (for mounting on trucks)	...do	61.6	69.4	16.4	14.5
37910 00	Trailer coaches, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	83.1	(X)	14.5
37910 02	Trailer coaches, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	15.5		

See footnotes at end of table.

TABLE 6A.1. Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3799- --	TRANSPORTATION EQUIPMENT, N.E.C., TOTAL	(X)	342.2	(X)	190.4
37991 --	Automobile trailers, excluding housing type coaches	(X)	98.8	(X)	67.6
37991 21	Collapsible camping trailers and travel trailers less than 11 feet in length, complete units	66.8	46.2	73.2	60.1
37991 31	Other automobile trailers, excluding housing type coaches (commercial display, utility, camp etc.) complete units	43.0	37.3		
37991 51	Chassis for automobile trailers, sold separately	(NA)	13.4	(NA)	6.4
37991 00	Automobile trailers, excluding housing type coaches, n.s.k.	(X)	1.9	(X)	1.2
37992 --	Other transportation equipment	(X)	209.7	(X)	107.5
	Farm wagons, trucks, and other farm transportation equipment and parts:				
	As reported in the census of manufactures	(X)	64.4	(X)	45.8
	As reported on Census annual Form MA-35A	(X)	70.3	(X)	48.2
	Wagons and trucks (chassis only) and trailer gears:				
37992 13	2-wheel	3.2	0.6	2.1	0.4
	4-wheel				
37992 11	Under 4 ton capacity	37.5	6.2	92.3	12.2
37992 12	4 ton capacity and over	51.3	8.4		
	Boxes and racks for mounting on wagons, trucks, and trailer gears:				
37992 15	Manual unloading or dump	17.8	5.1	26.2	6.9
	Power unloading:				
37992 16	Grain type (cannot handle forage)	8.2	2.7	11.4	3.1
	Forage type:				
37992 17	Rear unloading only	3.8	2.1	6.6	2.9
37992 18	Side unloading (with or without rear unloading)	26.6	24.2	16.2	13.4
37992 20	Gravity unloading (grain type only)	19.0	2.8		
	Boxes with integral running gear:				
37992 24	Grain type (cannot handle forage)	0.9	0.5	(X)	4.6
37992 26	Forage type				
37992 19	Other farm transportation equipment (except equipment specified above)	(X)	11.8		
37992 21	Attachments	(X)	3.0	(X)	2.9
37992 22	Parts	(X)	2.9	(X)	1.8
37992 31	Handcarts and pushcarts, including parts and attachments	(X)	6.9	(X)	6.6
37992 53	Wheelbarrows	(NA)	10.3	1,200.1	8.2
37992 91	Boat trailers	[e]238.1	34.2	97.3	13.9
37992 93	Self propelled snowmobiles (electric and gasoline driven) ski supported.	[e]48.0	36.3	(X)	22.6
37992 98	Other miscellaneous transportation equipment	(X)	49.2		
37992 00	Miscellaneous transportation equipment, n.s.k.	(X)	8.4	(X)	10.3
37990 00	Transportation equipment, n.e.c., n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	(X)	22.8	(X)	15.3
37990 02	Transportation equipment, n.e.c., n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	10.9		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text, are included in the code ending with "002". Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]The total value of work done for ship building and repairing differs from "value of shipments." See text for explanation. However, the figures for codes 37311 11 through 37311 81, 37313 11 and 37313 21 represent value of shipments.

[2]Excludes products manufactured by facilities operated by the Department of Defense, or at Federal, District of Columbia, and State prisons.

[3]Prefabricated boat construction kits are included with utility boats for 1967.

[4]Data exclude parts shipped by railroad repair shops. No new or rebuilt locomotives were produced in railroad repair shops in 1963 and data for 1967 are suppressed to avoid disclosing the operations of individual companies.

[5]In 1963, rebuilt locomotives were included with code 37413 11, parts for locomotives, etc. In 1967, rebuilt locomotives are included with new locomotives.

[6]Excludes new and rebuilt railroad cars shipped by shops of operating railroads. See table 6A-2.

TABLE 6A.2. New and Rebuilt Passenger and Freight Train Cars Shipped by Shops of Operating Railroads: 1967 and 1963

Product code	Product	Total shipments including interplant transfers				
		1967		1963		
		Quantity (number of units)	Value[1] (million dollars)	Quantity (number of units)	Weight (1,000 short tons)	Value[1] (million dollars)
3742- --	NEW AND REBUILT[2] PASSENGER AND FREIGHT TRAIN CARS, TOTAL[3]	31,595	324.4	19,255	(X)	178.5
37421 --	New paggenger train cars	-	-	(X)	(X)	(X)
37421 11	Coach (excluding coach combination)	-	-	([4])	(X)	([4])
37421 98	Other passenger train cars	-	-	([4])	(X)	([4])
37422 --	New freight train cars	(NA)	(NA)	(NA)	(NA)	(NA)
37422 11	Box	4,909	85.4	4,752	150.9	64.9
37422 15	Flat	1,867	21.6	497	18.9	8.2
37422 25	Gondola	1,299	17.2	-	-	-
37422 34	Hopper (covered)	([5])	([5])	-	-	-
37422 38	Hopper (uncovered)	6,516	71.8	5,368	121.9	46.9
37422 41	Tank	-	-	-	-	-
37422 43	Refrigerator	([5])	([5])	921	39.6	19.1
37422 45	Caboose	([5])	([5])	([4])	(X)	([4])
37422 98	Other freight train cars, including industrial rail cars not suitable for use on common carriers	-	-	([4])	(X)	([4])
37423 --	Rebuilt cars and other cars	(NA)	(NA)	(NA)	(NA)	(NA)
37423 31	Rebuilt passenger train cars	([5])	([5])	([4])	(X)	([4])
37423 51	Rebuilt freight train cars	15,798	110.6	5,845	62.5	30.5
37423 13	Other cars, including railroad work equipment, street, subway, rapid transit, trackless trolleys, and interurban cars	[5]1,206	[5]17.8	[4]87.2	(NA)	[4]8.8

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Value of railroad cars built by railroads for own use represents the amounts at which they were written into property accounts.

[2]A passenger and freight train car is defined as rebuilt when the cost of dismantling, improvement and modernization is more than 50 percent of the replacement cost of a new unit of the same class and kind at the time of rebuilding. Conversions, reclassifications on units which were reconditioned by replacement of defective parts are not included.

[3]Excludes parts for passenger and freight cars, made in railroad car shops.

[4]The 1963 product codes 37421 11, 37421 98, 37422 45, 37422 98 and 37423 31 are included with the figures for "other cars" (code 37423 13.)

[5]The 1967 product codes 37422 34, 37422 43, 37422 45, and 37423 31 are included with the figure for "other cars" (code 37423 13.)

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
NONPROPELLED SHIPS, NEW CONSTRUCTION (37311)		
United States	149.0	82.2
Northeast Region	EE	(D)
Middle Atlantic Div.	EE	(D)
Pennsylvania	EE	(1)
North Central Region	FF	(D)
East North Central Div.	FF	(D)
Indiana	FF	(1)
West North Central Div.	EE	(D)
Missouri	EE	(D)
South Region	77.6	47.7
South Atlantic Div.	CC	4.9
Maryland	BB	(1)
Florida	1.6	(D)
East South Central Div.	EE	7.4
Kentucky	BB	(1)
Tennessee	CC	(1)
Mississippi	AA	(D)
West South Central Div.	58.7	35.4
Louisiana	29.3	16.5
Texas	29.4	18.9
West Region	13.4	(D)
Pacific Div.	13.4	3.6
Oregon	BB	(1)
California	CC	(1)
SELF-PROPELLED SHIPS, U.S. MILITARY, NEW (37312)		
United States	973.8	681.8
Northeast Region	GG	310.7
New England Div.	GG	(D)
Maine	FF	(1)
Massachusetts	GG	(1)
Connecticut	GG	(D)
Middle Atlantic Div.	EE	(D)
New Jersey	EE	(1)
North Central Region	38.0	19.1
East North Central Div.	38.0	(D)
Ohio	EE	(D)
Michigan	EE	(1)
Wisconsin	EE	(1)
South Region	GG	247.8
South Atlantic Div.	GG	(D)
Maryland	FF	(D)
Virginia	GG	(1)
Florida	1.0	(D)
East South Central Div.	GG	(D)
Mississippi	GG	(1)
West South Central Div.	GG	(D)
Louisiana	GG	(1)
Texas	BB	(1)
SELF-PROPELLED SHIPS, U.S. MILITARY, NEW (37312)--Con.		
West Region	191.2	104.2
Pacific Div.	191.2	104.2
Washington	95.9	53.9
Oregon	CC	(1)
California	GG	(1)
SELF-PROPELLED SHIPS, NON-MILITARY, NEW (37313)		
United States	361.8	242.8
Northeast Region	100.3	73.8
New England Div.	FF	(D)
Maine	FF	(D)
Rhode Island	AA	(D)
Middle Atlantic Div.	GG	(D)
New York	4.0	2.2
New Jersey	BB	(D)
Pennsylvania	GG	(1)
North Central Region	16.0	6.2
East North Central Div.	EE	(D)
Ohio	BB	(1)
Indiana	BB	(D)
Wisconsin	5.8	3.7
South Region	210.1	143.6
South Atlantic Div.	85.6	71.4
Maryland	28.6	(1)
Virginia	FF	(1)
North Carolina	EE	(1)
Florida	FF	(1)
East South Central Div.	58.1	14.5
Tennessee	AA	(D)
Alabama	AA	(1)
Mississippi	GG	(1)
West South Central Div.	66.3	57.7
Louisiana	34.4	47.8
Texas	31.9	10.0
West Region	35.5	19.2
Pacific Division	35.5	19.2
Washington	11.4	(1)
Oregon	3.4	(D)
California	20.5	(1)
SHIP REPAIR, U.S. MILITARY[2] (37314)		
United States	423.0	221.9
Northeast Region	GG	(D)
New England Div.	GG	(D)
Maine	BB	(D)
Massachusetts	6.8	(1)
Connecticut	FF	(1)
Middle Atlantic Div.	FF	(D)
New York	11.9	26.2
New Jersey	9.7	(1)
Pennsylvania	BB	(1)
SHIP REPAIR, U.S. MILITARY[2] (37314)--Con.		
North Central Region	CC	(D)
East North Central Div.	CC	(D)
Ohio	CC	(D)
South Region	197.9	79.5
South Atlantic Div.	151.0	(D)
Maryland	FF	(1)
Virginia	GG	28.1
South Carolina	CC	(1)
Florida	FF	(1)
East South Central Div.	BB	(D)
Alabama	BB	(1)
West South Central Div.	FF	(D)
Louisiana	FF	13.6
Texas	2.7	(1)
West Region	137.7	81.5
Pacific Div.	137.7	(D)
Washington	EE	(1)
Oregon	FF	(1)
California	97.7	61.8
Hawaii	BB	(D)
REPAIR OF NONMILITARY SHIPS[2] (37316)		
United States	407.2	277.4
Northeast Region	61.3	64.4
New England Division	4.6	3.6
Maine	BB	(D)
Massachusetts	BB	2.5
Middle Atlantic Div.	56.7	60.8
New York	28.7	23.0
New Jersey	EE	28.4
Pennsylvania	CC	9.4
North Central Region	15.2	17.6
East North Central Div.	EE	(D)
Ohio	CC	(1)
Indiana	AA	(D)
Illinois	BB	(1)
Michigan	AA	(D)
West North Central Div.	BB)	(D)
Missouri	BB)	(D)
South Region	248.1	151.5
South Atlantic Div.	160.4	91.0
Maryland	GG	(1)
Virginia	GG	(1)
South Carolina	BB	(D)
Georgia	CC	(1)
Florida	34.1	(D)
East South Central Div.	23.5	15.3
Kentucky	AA	(1)
Alabama	FF	(1)
West South Central Div.	64.3	45.2
Louisiana	28.0	23.2
Texas	36.3	22.0

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
REPAIR OF NONMILITARY SHIPS (37316)--Con.		
West Region	82.6	43.9
Pacific Div.	82.6	43.9
Washington	20.2	6.9
Oregon	EE	(1)
California	48.0	30.2
Hawaii	AA	(D)
INBOARD MOTER BOATS (37321)		
United States	259.0	125.9
Northeast Region	47.2	19.2
New England Div.	2.9	3.2
New Hampshire	AA	(1)
Middle Atlantic Div.	44.2	16.0
New York	BB	(1)
New Jersey	FF	6.9
Pennsylvania	EE	(1)
North Central Region	77.7	37.7
East North Central Div.	63.0	36.1
Ohio	BB	4.0
Indiana	5.6	3.8
Illinois	EE	(1)
Michigan	29.6	(1)
Wisconsin	CC	2.0
West North Central Div.	14.7	1.6
Minnesota	CC	(D)
Missouri	BB	(D)
Kansas	BB	(D)
South Region	102.4	58.5
South Atlantic Div.	72.3	45.5
Maryland	20.2	27.5
North Carolina	BB	(1)
Georgia	CC	(D)
Florida	42.2	12.2
East South Central Div.	13.4	7.4
Kentucky	BB	(D)
Tennessee	11.3	(1)
West South Central Div.	16.7	5.6
Louisiana	BB	(1)
Texas	10.9	(1)
West Region	31.8	10.5
Mountain Div.	2.3	(D)
Utah	BB	(D)
Pacific Div.	29.5	(D)
Washington	20.7	(1)
Oregon	CC	(D)
California	BB	5.5
OUTBOARD MOTOR BOATS, INCLUDING PREFABRICATED KITS (37322)		
United States	70.2	79.6
Northeast Region	9.3	14.5
New England Div.	BB	3.8
Massachusetts	BB	3.3
Middle Atlantic Div.	CC	10.7
Pennsylvania	BB	(1)
OUTBOARD MOTOR BOATS, INCLUDING PREFABRICATED KITS (37322)--Con.		
North Central Region	17.3	29.7
East North Central Div.	7.3	22.7
Indiana	1.8	13.2
Illinois	AA	(1)
Michigan	2.5	2.8
West North Central Div.	10.1	7.0
Minnesota	CC	5.6
Missouri	BB	(1)
South Region	37.7	26.6
South Atlantic Div.	20.0	10.8
North Carolina	AA	1.9
South Carolina	BB	(D)
Florida	15.4	3.1
East South Central Div.	3.1	5.0
Tennessee	BB	4.2
West South Central Div.	14.6	10.8
Arkansas	AA	(D)
Texas	12.7	6.9
West Region	5.8	8.8
Pacific Div.	CC	(D)
Washington	AA	2.3
California	3.3	5.5
FREIGHT TRAIN CARS, NEW (37422)		
United States	1,020.1	523.0
Northeast Region	308.4	154.4
Middle Atlantic Div.	308.4	154.4
New York	EE	(1)
New Jersey	FF	(1)
Pennsylvania	GG	(1)
North Central Region	380.0	204.1
East North Central Div.	GG	(D)
Ohio	GG	49.5
Indiana	GG	(1)
Illinois	66.3	(1)
Michigan	(FF)	(D)
West North Central Div.	GG	(D)
Minnesota	AA	(D)
Missouri	GG	(1)
South Region	GG	(D)
South Atlantic Div.	GG	(D)
West Virginia	GG	(1)
FREIGHT TRAIN CARS, NEW (37422)--Con.		
South Region--Con.		
East South Central Div.	GG	(D)
Kentucky	CC	(1)
Alabama	GG	(1)
West South Central Div.	EE	(D)
Arkansas	EE	(D)
West Region	GG	(D)
Pacific Div.	GG	(D)
Washington	GG	(1)
Oregon	EE	(1)
STREETCARS, RAILROAD AND STREET CAR PARTS, ACCESSORIES (37423)		
United States	340.4	310.2
Northeast Region	125.0	80.4
New England Div.	AA	(D)
Connecticut	AA	(D)
Middle Atlantic Div.	GG	(D)
New York	FF	(1)
Pennsylvania	98.8	(D)
North Central Region	178.1	214.2
East North Central Div.	146.5	136.3
Ohio	34.9	(1)
Indiana	26.4	34.7
Illinois	30.4	34.2
Michigan	47.6	39.4
Wisconsin	7.1	(1)
West North Central Div.	31.6	77.9
Missouri	EE	(1)
Kansas	EE	(1)
South Region	32.7	13.6
South Atlantic Div.	CC	(D)
West Virginia	BB	(1)
Georgia	BB	(D)
East South Central	CC	(D)
Alabama	CC	(1)
West South Central Div.	20.7	(D)
Texas	20.1	(1)
West Region	4.6	2.0
Pacific Div.	4.6	2.0
Washington	AA	(D)
California	BB	2.0
BICYCLES, MOTORCYCLES, MOTORBIKES, MOTORSCOOTERS, AND PARTS (37510)		
United States	262.3	163.4
Northeast Region	39.3	30.2
New England	16.1	9.6
Massachusetts	EE	(1)
Connecticut	BB	(1)
Middle Atlantic Div.	23.2	20.6
New York	22.9	20.2

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
BICYCLES, MOTORCYCLES, MOTORBIKES, MOTORSCOOTERS, AND PARTS (37510)--Con.		
North Central Region....	126.0	74.5
East North Central Div....	GG	(D)
Ohio.....	FF	(1)
Indiana.....	CC	4.2
Illinois.....	FF	(1)
Wisconsin.....	FF	(1)
West North Central.....	EE	(D)
Nebraska.....	EE	(1)
South Region.....	77.0	47.3
South Atlantic Div.....	CC	(D)
Georgia.....	CC	(1)
East South Central Div....	GG	(D)
Kentucky.....	CC	(1)
Tennessee.....	FF	(1)
West South Central Div....	EE	(D)
Arkansas.....	EE	(1)
West Region.....	19.9	11.4
Pacific Div.....	19.0	(D)
California.....	19.0	(D)
AUTOMOBILE TRAILERS, EXCLUDING HOUSING TYPE COACHES (37991)		
United States.....	98.8	67.6
Northeast Region.....	6.2	7.9
Middle Atlantic Div.....	CC	(D)
New York.....	BB	(1)
New Jersey.....	BB	(D)
Pennsylvania.....	1.4	3.1
AUTOMOBILE TRAILERS, EXCLUDING HOUSING TYPE COACHES (37991)--Con.		
North Central Region...	60.5	30.4
East North Central Div...	54.4	26.0
Ohio.....	11.1	4.6
Indiana.....	21.5	16.6
Michigan.....	16.4	(D)
Wisconsin.....	BB	2.5
West North Central Div...	6.0	4.4
Iowa.....	4.1	2.4
South Region.....	23.9	6.0
South Atlantic Div.....	13.2	(D)
Maryland.....	BB	(1)
West Virginia.....	BB	(D)
North Carolina.....	BB	(D)
Florida.....	3.2	(D)
East South Central Div...	CC	(D)
Tennessee.....	CC	(D)
West South Central Div...	CC	(D)
Texas.....	4.5	2.2
West Region.....	8.2	23.5
Mountain Div.....	1.6	3.2
Idaho.....	AA	(1)
Pacific Div.....	6.6	20.3
California.....	CC	(D)
OTHER TRANSPORTATION EQUIPMENT (37992)		
United States.....	209.7	107.5
Northeast Region.....	20.4	11.8
New England Div.....	1.8	2.0
Massachusetts.....	AA	(1)
OTHER TRANSPORTATION EQUIPMENT (37992)--Con.		
Middle Atlantic Div.....	18.6	9.8
New York.....	AA	(1)
New Jersey.....	AA	(1)
Pennsylvania.....	16.0	(D)
North Central Region...	124.9	56.2
East North Central Div...	85.7	38.8
Ohio.....	11.8	10.5
Indiana.....	6.1	5.3
Illinois.....	32.3	13.6
Michigan.....	5.1	2.1
Wisconsin.....	30.4	7.3
West North Central Div...	39.2	17.4
Minnesota.....	13.5	1.0
Iowa.....	9.2	8.3
Missouri.....	6.4	3.4
Nebraska.....	5.8	1.8
Kansas.....	4.3	2.7
South Region.....	39.1	20.9
South Atlantic Div.....	21.6	5.2
North Carolina.....	5.8	(D)
Georgia.....	8.6	(D)
Florida.....	7.0	3.7
East South Central Div...	4.6	5.2
Tennessee.....	BB	(1)
Mississippi.....	AA	1.1
West South Central Div...	12.9	10.5
Oklahoma.....	1.8	1.4
Texas.....	10.8	7.2
West Region.....	25.4	18.7
Mountain Div.....	2.9	3.7
Montana.....	AA	(D)
Colorado.....	AA	(D)
Pacific Div.....	22.5	15.0
Oregon.....	AA	(D)
California.....	21.2	13.9

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3731-	Ship building and repairing[2]	2,357.9	2,160.4	1,917.9	1,677.8	1,518.0	1,467.4	970.3	756.5
37311	Nonpropelled ships, new construction	149.0	180.4	163.8	115.0	82.2	95.3	69.1	25.5
37312	Self-propelled ships, U.S. military, new construction[2]	973.8	821.6	742.2	738.8	681.8	470.0	296.3	52.2
37313	Self-propelled ships, nonmilitary, new construction	361.8	288.9	281.6	280.1	242.8	441.2	227.4	132.0
37314	Ship repair, U.S. military[2]	423.0	412.6	334.8	205.2	221.9	123.8	133.3	48.5
37316	Repair of nonmilitary ships[2]	407.2	447.2	383.4	330.0	277.4	326.8	239.9	491.1
37310	Ship building and repairing, n.s.k.[2]	43.2	9.6	12.1	8.7	11.9	10.3	4.3	7.2
3732-	Boat building and repairing	570.8	471.6	422.8	396.5	338.1	300.1	163.6	105.4
37321	Inboard motor boats	259.0	208.2	177.3	152.0	125.9	76.1	60.3	
37322	Outboard motor boats, including prefabricated kits.	70.2	87.5	82.4	89.9	79.6	108.4	15.9	65.3
37323	All other boats (sailboats, rowboats, canoes, etc.)	45.6	70.1	59.5	54.1	36.5	15.5	20.4	
37324	Boat repair	82.2	59.1	52.3	43.4	42.6	55.1	46.7	30.8
37320	Boat building and repairing, n.s.k.	114.0	46.7	51.2	57.1	53.5	45.1	20.2	9.4
3741-	Locomotives and parts	569.0	601.1	538.8	406.5	378.1	355.2	365.2	396.6
37411	Locomotives, new and rebuilt, road service and switching type	[3]310.3	180.9	153.2	118.9	132.7	204.9	237.8	285.2
37412	Mining and industrial type locomotives, new and rebuilt	9.6	12.9	6.2	8.1	8.7	14.8	14.9	15.5
37413	Parts for locomotives, for sale separately	[3]248.0	407.3	379.5	279.5	236.7	135.5	112.5	95.9
37410	Locomotives and parts, n.s.k.	1.2	-	-	-	-	-	-	-
3742-	Railroad and street cars	1,374.5	1,658.1	1,475.5	1,235.7	871.0	528.6	468.2	[4]713.3
37421	Passenger train cars, new	6.4	6.3	78.1	62.7	36.5	11.4	96.2	[4]77.2
37422	Freight train cars, new	1,020.1	1,216.1	975.6	801.3	523.0	[5]319.3	[5]227.1	[4]393.3
37423	Streetcars, parts and accessories for street car parts	340.4	433.1	418.2	370.2	310.2	[5]196.5	[5]145.0	[4]242.8
37420	Railroad and street cars, n.s.k.	7.6	2.6	3.6	1.4	1.3	1.4	-	-
37510	Bicycles, motorcycles, motorbikes, motor and parts	262.6	244.6	226.1	198.4	163.4	105.8	88.3	158.7
37910	Trailer coaches, housing type	1,296.2	974.1	951.7	910.1	690.3	[6]444.8	[6]216.9	121.8
3799-	Transportation equipment, n.e.c.	342.2	259.6	249.0	214.6	190.4	100.0	58.5	70.0
37991	Automobile trailers, excluding housing type coaches	98.8	86.0	88.0	74.0	67.6	22.7	14.6	14.0
37992	Other transportation equipment	209.7	151.5	142.3	127.5	107.5	77.3	43.9	56.0
37990	Transportation equipment, n.e.c., n.s.k.	33.7	(22.1)	(18.7)	13.1	15.3			

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses in the value of shipments columns either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

[2]Represents value of work done rather than value of shipments.

[3]For 1967, rebuilt locomotives are included with new locomotives. For prior years, rebuilt locomotives were included with parts for locomotives.

[4]Data include value of new and rebuilt railroad cars made in railroad car shops. The 1947 total and detailed statistics include $37.9 million of new railroad cars shipped by railroad repair shops. Value of railroad cars built by railroads for own use represent amounts at which they were written into property accounts.

[5]Product class 37422 includes an undetermined value from product class 37423.

[6]Includes an undetermined value of other automobile trailers (boat, camping, commercial display, etc.).

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3731.--SHIP BUILDING AND REPAIRING					
	Materials, parts, containers, and supplies, total	.....	(X)	1,025.5	(X)	612.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	109.7	18.1	47.3	7.9
331012	Sheet and strip	...do.....	91.2	14.9	28.2	5.4
331013	Plates	...do.....	656.6	97.7	477.6	69.3
331015	Structural shapes	...do.....	185.4	29.4	104.3	15.2
331017	Wire and wire products	...do.....	6.5	2.0	3.4	1.5
331019	All other carbon steel mill shapes and forms	...do.....	50.8	9.2	23.9	5.1
331020	Alloy steel (except stainless)	...do.....	16.2	7.0	17.6	9.4
331031	Stainless steel	...do.....	3.8	4.8	4.3	6.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	0.4	0.4	4.0	4.8
335790	Insulated wire and cable	Million lbs. (copper content)	7.4	10.9		
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	2.2	1.6	0.7	0.8
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	1.0	1.0	1.1	1.0
335127	Pipe and tube	...do.....	11.2	11.5	5.8	4.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	7.4	4.0	4.0	2.0
335205	Extruded shapes, rod, bar, pipe, etc	...do.....	14.3	13.2	2.1	2.4
335209	All other aluminum mill shapes and forms, wire, rolled rod, etc	...do.....				
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons.	9.3	8.3	5.6	4.3
336100	Aluminum and aluminum-base alloy	Million lbs.....	0.9	0.9	0.4	0.4
336200	Copper and copper-base alloy	...do.....	2.6	3.2	5.9	5.8
	Engines:[1]					
351920	Diesel and semidiesel	1,000.....	2.6	32.7	(NA)	8.1
351901	Gasoline and other carburetor	...do.....	1.8	4.7	(NA)	0.6
362120	Integral horsepower motors and generators (1 hp. and over)[1]	...do.....	3.2	6.2	2.7	5.4
242120	Dressed lumber	Million bd. ft...	27.9	5.6	(NA)	2.6
243201	Plywood	.....	(X)	2.8	(X)	1.2
282130	Thermoplastic resins	Million lbs. dry basis.....	3.2	1.7	0.8	0.3
282140	Thermosetting resins	...do.....	2.6	0.6	(NA)	0.8
322931	Glass fiber	Million lbs.....	1.9	1.2	(NA)	0.4
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	672.8	(X)	373.0
976000	Materials, parts, containers, and supplies, n.s.k.[1]	.....	(X)	59.1	(X)	73.4
	INDUSTRY 3732.--BOAT BUILDING AND REPAIRING					
	Materials, parts, containers, and supplies, total	.....	(X)	271.4	(X)	167.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bar and bar shapes	1,000 short tons.	1.5	0.2	0.9	0.2
331012	Sheet and strip	...do.....	8.4	1.2	1.5	0.2
331013	Plates	...do.....	6.8	1.2	3.0	0.5
331015	Structural shapes	...do.....	2.0	0.3	0.8	0.1
331017	Wire and wire products	...do.....	0.1	(Z)	0.2	0.1
331019	All other carbon steel mill shapes and forms	...do.....	0.5	0.1	1.1	0.2
331020	Alloy steel (except stainless)	...do.....	1.0	0.2	0.1	(Z)
331031	Stainless steel	...do.....	0.3	0.5	0.5	0.6
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	(Z)	(Z)	0.3	0.3
335790	Insulated wire and cable	Million lbs. (copper content).	0.3	0.3		
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	0.1	0.1	0.1	(Z)
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	(Z)	(Z)	(Z)	(Z)
335127	Pipe and tube	...do.....	0.5	0.3	0.3	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	17.7	7.1	15.2	6.6
335205	Extruded shapes, rod, bar, pipe, etc	...do.....	4.1	2.9	3.2	1.9
335209	All other aluminum mill shapes and forms, wire, rolled rod, etc	...do.....	0.3	0.2	0.2	0.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3732.--BOAT BUILDING AND REPAIRING--Continued					
	Castings (rough and semi-finished):[1]					
332300	Steel	1,000 short tons.	0.3	0.2	0.2	0.1
336100	Aluminum and aluminum-base alloy	Million lbs.	0.6	0.4	1.0	0.5
336200	Copper and copper-base alloy	...do.	(NA)	1.7	0.9	1.1
	Engines:[1]					
351920	Diesel and semidiesel	1,000.	1.6	4.9	0.6	2.9
351901	Gasoline and other carburetor	...do.	30.9	33.1	18.6	15.1
362120	Integral horsepower motors and generators (1 hp. and over)[1]	...do.	1.0	1.0	0.2	0.2
242120	Dressed lumber	Million bd. ft.	(NA)	3.8	17.4	4.2
243201	Plywood	.....	(X)	9.5	(X)	6.9
282130	Thermoplastic resins	Million lbs. dry basis	(NA)	4.8	3.6	1.2
282140	Thermosetting resins	...do.	38.4	8.8	(NA)	7.2
322931	Glass fiber	Million lbs.	(NA)	11.4	(NA)	7.8
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	84.5	(X)	52.2
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	92.7	(X)	56.5
	INDUSTRY 3741.--LOCOMOTIVES AND PARTS					
	Materials, parts, containers, and supplies, total	.....	(X)	323.4	(X)	233.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	14.6	2.6	11.0	1.9
331012	Sheet and strip	...do.	27.9	4.2	28.8	4.8
331013	Plates	...do.	79.7	11.2	58.7	8.5
331015	Structural shapes	...do.				
331017	Wire and wire products	...do.	33.7	6.7	18.0	2.5
331019	All other carbon steel mill shapes and forms	...do.				
331020	Alloy steel (except stainless)	...do.				
331031	Stainless steel	...do.	1.5	0.7	1.8	1.0
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	.....	(D)	(D)	(D)	(D)
335102	Rod, bar and mechanical wire, including extruded and/or drawn shapes	.....	(D)	(D)	(D)	(D)
335123	Plate, sheet, and strip, (including military cups and discs)	.....	(D)	(D)	(D)	(D)
335127	Pipe and tube	.....	(D)	(D)	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	Million lbs.				
335205	Extruded shapes	...do.	0.9	0.6	0.5	0.3
335209	All other aluminum mill shapes and forms	...do.				
331051	Pig iron	.....	(D)	(D)	(D)	(D)
999811	Iron and steel scrap	.....	(D)	(D)	-	-
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	.....	(D)	(D)	(D)	(D)
332300	Steel	.....	(D)	(D)	(D)	(D)
336100	Aluminum and aluminum-base alloy	.....	(D)	(D)	(D)	(D)
339100	Iron and steel forgings[1]	.....	(D)	(D)	(D)	(D)
351920	Diesel and semidiesel engines[1]	.....	(D)	(D)	(D)	(D)
362120	Integral horsepower electric motors and generators (1 hp. and over)[1]	.....	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball	.....				
356201	Roller	.....	(D)	(D)	(X)	(D)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	294.2	(X)	213.1
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	3.2	(X)	1.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3742.--RAILROAD AND STREET CARS					
	Materials, parts, containers, and supplies, total	.....	(X)	919.9	(X)	575.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	123.8	22.0	159.9	23.7
331012	Sheet and strip	...do.....	198.4	29.6	225.9	32.4
331013	Plates	...do.....	762.9	120.4	554.0	83.7
331015	Structural shapes	...do.....	340.4	52.0	236.5	34.5
331017	Wire and wire products	...do.....	5.7	1.0	1.5	0.5
331019	All other carbon steel mill shapes and forms	...do.....	95.3	29.2	62.9	13.5
331020	Alloy steel (except stainless)	...do.....	(D)	(D)	19.5	4.0
331013	Stainless steel	...do.....	(D)	(D)	1.6	1.8
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	(D)	(D)	(D)	(D)
335102	Rod, bar and mechanical wire, including extruded and/or drawn shapes	...do.....	31.4	1.0	(D)	(D)
335123	Plate, sheet, and strip, (including military cups and discs)	...do.....	-	-	(D)	(D)
335127	Pipe and tube	...do.....	2.5	0.9	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do.....	15.5	13.6	6.3	5.9
335205	Extruded shapes	...do.....	3.6	1.9	4.3	2.6
335209	All other aluminum mill shapes and forms	...do.....				
331051	Pig iron	1,000 short tons.	(D)	(D)	(D)	(D)
999811	Iron and steel scrap (purchased scrap only)	...do.....	25.8	1.0	35.7	0.9
	Castings (rough and semi-finished):[1]					
332011	Iron (gray and malleable)	...do.....	103.6	43.6	71.6	30.1
332300	Steel	...do.....	195.5	100.7	95.8	40.4
336100	Aluminum and aluminum-base alloy)	Million lbs.....	3.6	2.1	(D)	(D)
339100	Iron and steel forgings[1]	1,000 short tons.	49.6	19.0	21.2	7.9
351920	Diesel and semidiesel engines[1]	Number.....	(D)	(D)	(D)	(D)
362120	Integral horsepower electric motors and generators (1 hp. and over[1]	...do.....	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball	.....	(X)	43.9	(X)	15.2
356201	Roller	.....				
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	418.7	(X)	270.8
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	19.3	(X)	7.6
	INDUSTRY 3751.--MOTORCYCLES, BICYCLES AND PARTS					
	Materials, parts, containers, and supplies, total	.....	(X)	152.3	(X)	102.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			3.5	0.7
331012	Sheet and strip	...do.....			79.2	12.1
331017	Wire and wire products	...do.....			6.3	1.1
331013	Plates	...do.....			0.4	0.1
331015	Structural shapes	...do.....	131.0	22.3	7.3	1.7
331019	All other carbon steel mill shapes and forms	...do.....				
331020	Alloy steel (except stainless)	...do.....			1.2	0.3
331031	Stainless steel	...do.....			(Z)	(Z)
335121	Copper and copper-base alloy (brass mill shapes)	Million lbs.....	(NA)	0.2	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....				
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do.....	(NA)	4.0	0.2	0.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing etc.)	...do.....				
332300	Steel castings (rough and semifinished)[1]	1,000 short tons.	(D)	(D)	(D)	(D)
339100	Iron and steel forgings[1]	...do.....	7.0	3.8	3.9	2.3
	Bearings:					
356218	Ball	.....	(X)	1.5	(X)	0.9
356201	Roller	.....				
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	107.9	(X)	76.3
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	12.6	(X)	7.0

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3791.--TRAILER COACHES					
	Materials, parts, containers, and supplies, total	.....	(X)	867.1	(X)	471.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 tons	3.4	0.7	5.3	1.6
331012	Sheet and strip	...do	26.5	5.8	14.6	3.3
331015	Structural shapes	...do	(NA)	21.2	54.9	8.6
331019	All other carbon steel mill shapes and forms	...do	(NA)	1.2	8.3	1.3
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do	12.0	4.3	13.1	6.0
331029	All other alloy steel mill shapes and forms	...do				
331031	Stainless steel	...do			-	-
	Copper and copper-base alloy:					
335728	Bare wire (electrical conduction only)	Million lbs	(NA)	0.8	0.3	0.2
335790	Insulated wire and cable	Million lbs. (copper content).	10.8	5.9	4.8	3.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	...do	(NA)	0.1	0.1	(Z)
335123	Plate, sheet and strip (including military cups and discs)	...do				
335127	Pipe and tube	...do	7.5	3.3	3.3	1.5
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	82.9	37.6	63.7	25.4
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	8.8	3.1	8.1	2.4
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welding tubing, etc.)	...do	(NA)	1.4	2.0	2.2
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons.	(D)	(D)	1.0	0.5
336100	Aluminum and aluminum-base alloy	Million lbs	(D)	(D)	0.4	0.3
243201	Plywood	.....	(X)	78.4	(X)	50.4
242120	Dressed lumber	Million board ft.	412.4	44.7	251.7	26.0
229501	Coated, impregnated, and laminated fabrics	Million linear yards	(NA)	8.5	10.5	8.5
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	413.6	(X)	229.5
976000	Materials, parts, containers, and supplies, n.s.k[2]	.....	(X)	236.5	(X)	100.8
	INDUSTRY 3799.--TRANSPORTATION EQUIPMENT, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	161.9	(X)	94.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	[e]33.0	5.3	15.8	2.8
331012	Sheet and strip	...do	[e]131.3	19.2	65.6	10.4
331013	Plates	...do	10.8	1.6	5.4	0.9
331015	Structural shapes	...do	(NA)	5.2	7.7	1.3
331017	Wire and wire products	...do	(NA)	0.8	2.4	0.8
331019	All other carbon steel mill shapes and forms	...do	5.1	1.5	8.1	1.9
331020	Alloy steel (except stainless)	...do	(NA)	3.6	0.8	0.3
331031	Stainless steel	...do			0.1	0.1
335121	Copper and copper-base alloy (Brass mill shapes)	Million lbs	(NA)	0.8	0.4	0.4
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do	14.1	5.9	3.3	1.6
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	(NA)	2.3	0.6	0.3
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing etc.)	...do	1.3	1.0	0.1	(Z)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3799.--TRANSPORTATION EQUIPMENT, N.E.C.--Continued					
332300	Steel castings (rough and semifinished)[1]	1,000 short tons.	2.5	1.5	0.9	0.9
339100	Iron and steel forgings[1]	...do.	0.4	0.2	0.2	0.2
	Bearings:					
356218	Ball		(X)	0.4	(X)	0.3
356201	Roller		(X)	0.7	(X)	0.4
970099	All other materials and components, parts, containers, and supplies consumed		(X)	80.4	(X)	35.4
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	31.5	(X)	36.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. In some cases figures which are otherwise publishable are withheld to avoid indirect disclosure by substration from higher level totals or from related figures. [e]From 10 to 30 percent of this figure was estimated.

[1]No data are available on the quantities of castings, iron and steel forgings, engines, or integral horsepower electric motors and generators produced and consumed in the same establishment except for industry 3742 which had 11.8 thousand short tons of iron castings in 1963.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Shipbuilding and repairing (SIC 3731)	Railroad and street cars (SIC 3742)
	Cost of purchased fuels and electric energy, total....	Million dollars.	20.2	10.2
	Cost of purchased fuels, total.....	...do.....	6.7	4.8
121005	Coal (anthracite, bituminous, and lignite):			
	Quantity.....	1,000 short tons.....	(D)	60.1
	Cost.....	Million dollars.	(D)	0.4
	Fuel oil, total:			
	Quantity.....	1,000 barrels...	771.7	256.6
	Cost.....	Million dollars.	2.5	1.31
291141	Distillate:			
	Quantity.....	1,000 barrels...	284.0	(D)
	Cost.....	Million dollars.	1.3	(D)
291151	Residual:			
	Quantity.....	1,000 barrels...	487.7	(D)
	Cost.....	Million dollars.	1.3	(D)
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):			
	Quantity.....	Million cu. ft..	1,599.1	3,507.5
	Cost.....	Million dollars.	2.0	1.9
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	(D)	0.7
	Fuels, n.s.k.....	...do.....	0.7	0.7
	Purchased electric energy:			
	Quantity.....	Million kw.-hrs.	1,168.9	434.3
	Cost.....	Million dollars.	13.3	5.4
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	(D)	(D)
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	4,099.8	2,981.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuel used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3731	SHIP BUILDING AND REPAIRING										
	ENTIRE INDUSTRY	415	138.8	1 076.0	114.2	231.0	819.4	1 430.4	1 087.8	[1] 2 518.2	70.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	378	131.2	1 018.8	108.1	219.1	778.4	1 343.0	1 007.9	[1] 2 350.9	64.1
37311	NONPROPELLED SHIPS, NEW CONSTRUCTION										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	27	9.1	63.1	7.7	15.2	48.0	89.3	92.9	[1] 182.1	6.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	16	2.4	15.7	2.2	4.5	13.3	20.9	23.6	[1] 44.4	2.7
37312	SELF-PROPELLED SHIPS, U.S. MILITARY, NEW										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	25	76.0	607.2	60.2	122.1	442.2	718.6	623.7	[1] 1 342.3	39.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	11	33.7	288.5	22.5	48.5	168.4	338.4	302.4	[1] 640.8	23.4
37313	SELF-PROPELLED SHIPS, NONMILITARY, NEW										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	90	16.0	113.9	13.2	26.1	87.0	159.9	143.0	[1] 303.0	5.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	62	9.0	62.9	7.5	15.1	48.9	97.1	67.0	[1] 164.0	2.9
37314	SHIP REPAIR, U.S. MILITARY										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	49	16.9	134.0	14.7	31.2	109.2	230.4	119.5	[1] 350.0	6.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	23	4.6	35.1	4.0	8.3	29.4	59.4	29.6	[1] 89.0	2.1
37316	REPAIR OF NONMILITARY SHIPS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	100	18.3	141.5	16.1	32.2	120.1	210.5	92.9	[1] 303.4	11.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	75	8.3	63.4	7.3	15.2	53.9	96.9	37.2	[1] 134.2	3.7
3732	BOAT BUILDING AND REPAIRING										
	ENTIRE INDUSTRY	1 596	30.5	163.0	26.2	51.8	128.1	274.8	298.4	571.4	15.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 558	28.7	152.1	24.7	48.8	119.7	260.7	273.4	530.9	15.4
37321	INBOARD MOTOR BOATS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	115	11.4	65.5	9.6	19.2	50.3	107.4	148.2	255.4	5.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	87	9.4	54.2	8.0	16.1	42.6	93.9	111.1	203.2	4.3
37322	OUTBOARD MOTOR BOATS, INCL. PREFABRICATED KITS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	60	4.1	19.4	3.3	6.7	13.5	35.5	46.2	80.4	2.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	35	1.8	8.9	1.5	3.0	6.5	14.1	20.3	34.1	.8
37323	ALL OTHER BOATS(SAILBOATS, ROWBOATS, CANOES, ETC)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	64	2.8	13.7	2.3	4.3	10.6	24.6	20.4	46.1	1.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	54	2.4	11.3	2.0	3.6	8.8	20.8	17.1	39.2	1.5
37324	BOAT REPAIR										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	111	4.2	28.4	3.5	7.4	22.8	46.8	24.5	71.5	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	90	3.3	23.4	2.8	6.0	18.7	39.3	20.4	59.7	1.4
3742	RAILROAD AND STREET CARS										
	ENTIRE INDUSTRY	96	40.6	294.2	32.7	62.8	223.1	442.7	942.2	1 420.9	29.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	87	35.9	260.0	29.3	55.7	200.7	382.2	897.2	1 311.4	26.2
37422	FREIGHT TRAIN CARS, NEW										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	27	25.0	184.6	20.8	40.1	147.4	288.2	752.9	1 080.6	20.4
37423	STREETCARS, RR AND STREET CAR PARTS, ACCESSORIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	44	14.8	103.7	11.3	21.5	71.5	147.5	180.8	326.2	9.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	35	10.2	70.3	8.1	14.8	50.4	118.9	137.7	227.4	6.9
3751	MOTORCYCLES, BICYCLES, AND PARTS										
	ENTIRE INDUSTRY	92	12.0	70.3	10.1	19.1	53.4	136.2	170.6	299.6	7.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	85	8.6	53.2	7.0	13.4	39.6	101.1	123.1	218.9	3.9
3799	TRANSPORTATION EQUIPMENT, NEC										
	ENTIRE INDUSTRY	454	11.2	60.5	9.4	18.4	43.8	116.9	170.1	284.4	6.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	439	9.9	53.0	8.3	16.1	38.2	103.8	151.8	252.8	5.6
37991	AUTOMOBILE TRAILERS, EXC. HOUSING TYPE COACHES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	78	3.7	20.7	3.9	5.9	14.4	39.5	63.5	102.1	1.8
37992	OTHER TRANSPORTATION EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	107	5.6	30.7	4.7	9.3	22.4	62.1	86.9	147.3	3.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	89	4.4	24.4	3.6	7.2	17.6	49.9	72.0	120.5	2.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]Represents value of work done rather than value of shipments.

Instruments and Related Products

38A Instruments; surgical, dental, and ophthalmic equipment and supplies

38B Photographic equipment; clocks, watches, and watchcases

This major group covers establishments primarily engaged in manufacturing mechanical measuring, engineering, laboratory, and scientific research instruments; optical instruments and lenses; surgical, medical, and dental instruments, equipment and supplies; ophthalmic goods; photographic equipment and supplies; and, watches and clocks. Establishments primarily engaged in manufacturing instruments for indicating, measuring, and recording electrical quantities and characteristics are classified in industry 3611.

During the period 1958 to 1963, reports received from some large establishments indicated a change from the manufacture primarily of such individual instruments as those used for indicating air speed, rate-of-climb, angle-of-yaw and similar flight characteristics, and gyroscopes which are sold separately, to the manufacture primarily of complete instrumentation systems for navigation, guidance, check-out etc. The major impact of this change has been on the classification of products and, consequently, the SIC coding of these large establishments. This change in reporting was brought to light by the initiation, by the Census Bureau, of detailed commodity surveys in the fields of electronic products and instrumentation. The electronic and associated products report (MA-36N) was started covering the year 1961 and the instruments series (MA-38B) was broadened for 1963 to encompass most types of instruments following an introductory report for 1961 and 1962 covering industrial process instruments and test and measuring equipment. Annual statistics from both reports are published in the Current Industrial Reports Series.

In both the 1958 Census of Manufactures and the Annual Survey of Manufactures from 1959 through 1962, the classification of systems was not sufficiently spelled out in the product inquiries of these programs, especially at the 5-digit product class level. However, with the introduction, in the MA-36N and MA-38B surveys, of detailed 7-digit product information which itself is used to build up to broader 5-digit product class totals, these totals, although they should be the same as those reported on Form MA-100 (Annual Survey of Manufactures), have differed. The respondents affected have identified the proportion of earlier years' output which consisted of systems rather than instruments as such, which was the manner in which the items were originally reported.

In view of the above, the annual data for 1958-1962 have been revised. Because of the shift in recent years from instruments which are classified in industry 3811 to complete systems which are classified in industry 3662, the year-to-year changes are of dubious validity for the industries considered separately. The two industries taken in combination however, would yield significant measures of activity in the general area.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees[1]		Production workers			Value added by manufacture[2]	Cost of materials[3]	Value of shipments[3]	Capital expenditures, new[4]
	Total (number)	With 20 employees or more (number)	Total (1,000)	Payroll (million dollars)	Total (1,000)	Man-hours (million dollars)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	4 542	1 670	409.6	2 980.8	265.9	530.2	1 569.0	6 418.4	3 591.8	9 907.2	392.2
1963	4 028	1 391	316.4	2 010.4	208.4	416.6	1 100.7	3 922.1	2 171.1	6 117.9	191.9
1958	3 584	1 225	293.8	1 564.0	197.0	389.7	897.5	2 781.0	(NA)	4 418.7	114.6
1954[5]	(NA)	(NA)	277.9	1 234.0	195.6	391.4	759.5	2 131.0	(NA)	(NA)	94.0
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	89	56	15.3	159.2	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1963[6]	79	48	11.0	98.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1958[6]	66	36	7.4	54.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1954[6]	(NA)	(NA)	5.3	33.7	(x)	(x)	(x)	(x)	(x)	(x)	(x)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	4 453	1 614	394.3	2 821.6	265.9	530.2	1 569.0	6 418.4	3 591.8	9 907.2	392.2
1963[7]	3 949	1 343	305.5	1 912.5	208.4	416.6	1 100.7	3 992.1	2 171.1	6 117.8	191.9
1958[7]	3 518	1 189	286.4	1 509.5	197.0	389.6	897.5	2 781.0	(NA)	4 418.7	114.6
1954	3 141	984	272.6	1 200.3	195.6	391.4	759.5	2 131.0	(NA)	(NA)	94.0
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966[8]	(NA)	(NA)	362.0	2 509.3	248.8	494.1	1 426.0	5 833.3	3 210.9	8 832.7	307.0
1965[8]	(NA)	(NA)	328.7	2 227.9	225.9	451.5	1 275.0	5 002.2	2 742.3	7 621.2	232.2
1964[8]	(NA)	(NA)	308.0	2 013.6	209.1	420.5	1 148.5	4 314.3	2 378.1	6 603.2	192.1
1962[7,8]	(NA)	(NA)	308.4	1 871.0	206.4	415.6	1 051.4	3 690.0	2 049.9	5 674.3	177.6
1961[7,8]	(NA)	(NA)	316.3	1 908.4	208.2	415.1	1 036.8	3 574.0	2 055.9	5 607.4	178.7
1960[7,8]	(NA)	(NA)	325.6	1 907.6	217.0	437.1	1 066.7	3 641.1	(NA)	(NA)	162.4
1959[7,8]	(NA)	(NA)	310.5	1 782.7	214.4	432.4	1 032.5	3 410.1	(NA)	(NA)	145.0
1957[8]	(NA)	(NA)	307.2	1 570.9	211.0	428.0	946.6	2 872.3	(NA)	(NA)	145.7
1956[8]	(NA)	(NA)	296.7	1 458.3	211.1	426.3	896.5	2 690.5	(NA)	(NA)	145.1
1955[8]	(NA)	(NA)	282.7	1 295.2	202.4	406.4	813.7	2 366.8	(NA)	(NA)	106.4
1953[8]	(NA)	(NA)	285.5	1 232.5	212.1	433.8	823.6	2 169.4	(NA)	(NA)	90.3
1952[8]	(NA)	(NA)	278.5	1 179.0	205.4	420.0	778.6	1 994.8	(NA)	(NA)	(NA)
1951[8]	2 686	(NA)	253.1	1 001.3	189.7	389.8	670.7	1 608.2	(NA)	(NA)	85.0
1950[8]	2 697	(NA)	226.4	812.5	169.4	341.7	531.8	1 388.9	(NA)	(NA)	64.4
1949[8]	(NA)	(NA)	204.8	682.7	156.2	305.5	447.1	1 122.6	(NA)	(NA)	57.9
1947[5]	2 605	(NA)	244.9	706.1	194.3	389.9	502.2	1 140.5	(NA)	(NA)	56.0
1939[9]	1 292	(NA)	(NA)	(NA)	84.9	(NA)	107.7	333.4	(NA)	(NA)	(NA)
1937[10]	1 026	(NA)	(NA)	(NA)	83.8	(NA)	112.7	298.3	(NA)	(NA)	(NA)
1935[11]	1 000	(NA)	83.7	108.3	67.5	(NA)	74.2	200.1	(NA)	(NA)	(NA)
1933	830	(NA)	(NA)	(NA)	49.6	(NA)	46.2	142.4	(NA)	(NA)	(NA)
1931	1 029	(NA)	(NA)	(NA)	59.7	(NA)	66.4	200.7	(NA)	(NA)	(NA)
1929[12]	1 109	(NA)	98.1	149.0	81.9	(NA)	107.9	300.9	(NA)	(NA)	(NA)
1927[13]	1 108	(NA)	(NA)	(NA)	78.9	(NA)	102.9	273.7	(NA)	(NA)	(NA)
1925	1 286	(NA)	88.0	124.4	73.0	(NA)	91.0	263.1	(NA)	(NA)	(NA)
1923[14]	1 593	(NA)	93.2	127.3	76.6	(NA)	91.8	244.9	(NA)	(NA)	(NA)
1921	1 592	(NA)	82.9	108.8	67.2	(NA)	77.8	188.8	(NA)	(NA)	(NA)
1919	2 037	(NA)	108.7	124.8	90.6	(NA)	93.0	235.6	(NA)	(NA)	(NA)
1914	1 572	(NA)	71.0	50.0	59.9	(NA)	35.8	97 6	(NA)	(NA)	(NA)
1909[15]	1 239	(NA)	(NA)	(NA)	50.8	(NA)	28.1	73.1	(NA)	(NA)	(NA)
1904	1 027	(NA)	46.4	26.3	41.9	(NA)	21.3	46.3	(NA)	(NA)	(NA)
1899	1 101	(NA)	34.8	18.2	32.1	(NA)	15.2	31.6	(NA)	(NA)	(NA)

Standard Notes: - Represents zero. (d) Withheld to avoid disclosing figures for individual companies. (NA) Not applicable.

[1]The figures for 1939 through 1967 include data for employees of manufacturing establishments who are engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2]For the period 1954 to 1963, figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year. See Introduction, "Value Added by Manufacture."

[3]The total value of shipments and cost of materials for industry groups (2- and 3-digit) include extensive duplication arising from shipments between establishments in the same industry classification. For a more complete explanation, see Introduction.

[4]The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5]The figures for 1947, 1954, and later years include establishments primarily engaged in the manufacture of automatic temperature controls.

[6]In addition to data for operating establishments, figures for employment and payroll for manufacturing central administrative offices and auxiliary units are shown for the years 1949 to 1953 in the annual survey of manufacturing volumes. Data for these units are not available for the years 1955 to 1957, 1959 to 1962, 1964 to 1966, or prior to 1949.

[7]Figures for 1958 to 1963 for operating manufacturing establishments are not strictly comparable with prior years due to revisions of the Standard Industrial Classification System. Prior to 1958, data for the following commodities were excluded: laboratory precision balances; laboratory furniture; revolution counters; operating room and other hospital furniture; surgical corsets; and hearing aids. Establishments primarily engaged in the manufacture of sanitary napkins and tampons are included prior to 1958.

[8]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[9]The figures for 1939 and later years are not strictly comparable with those for earlier years. Statistics for 1939 and later years (a) include data for establishments primarily engaged in manufacture of thermostats and gauges, and (b) exclude data for establishments primarily engaged in the manufacture of time-recording stamps and machines. Value added by manufacture for 1939 on a basis strictly comparable with 1937 was $314.1 million.

[10]The figures for 1937 to 1954 include, whereas those for earlier years exclude, data for establishments primarily engaged in the manufacture of certain mechanical measuring instruments. Value added by manufacture for 1937, excluding data for these establishments and on a basis comparable with 1935, was $294.5 million.

[11]The figures for 1935 to 1954 include, whereas those for 1933 and earlier years exclude, data for establishments primarily engaged in manufacture of certain dental equipment and supplies (chairs, cabinets, and electrical devices).

[12]The figures for 1929 to 1954 exclude, whereas those for earlier years include, data for establishments primarily engaged in manufacture of gas machines. Value added by manufacture for 1929, including data for these establishments and on a basis comparable with 1927, was $306.3 million.

[13]The figures for 1927 to 1954 exclude, whereas those for earlier years include, data for dental laboratories operating on a custom basis. Value added by manufacture for 1927 including data for these laboratories and on a basis comparable with 1925, was $280.3 million.

[14]The figures for 1899 to 1923 include, whereas those for later years exclude, data for establishments primarily engaged in grinding lenses for spectacles and eyeglasses to individual prescription.

[15]The figures for 1899 to 1909 exclude, whereas those for 1914 and later years include, data for establishments primarily engaged in manufacture of motion-picture machines. Value added by manufacture for 1914, excluding data for such establishments, was $96.4 million.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967										1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
38	INSTRUMENTS AND RELATED PRODUCTS	4 453	1 614	394.3	2 821.6	265.9	530.2	1 569.0	6 418.4	3 591.8	9 907.2	392.2	305.5	3 992.1
	NORTHEAST REGION	1 855	745	211.5	1 622.2	137.8	273.1	864.0	3 870.6	2 012.8	5 823.6	266.5	167.2	2 360.2
	NEW ENGLAND DIVISION	468	208	64.6	447.3	43.4	85.7	241.3	973.0	561.4	1 517.8	69.4	50.1	569.2
	MAINE	8	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	20	5	.9	5.5	.6	1.3	3.1	9.6	6.7	15.4	1.0	.7	5.6
	VERMONT	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	254	105	35.0	247.2	22.3	44.5	125.8	612.8	331.5	944.1	54.4	28.4	343.1
	RHODE ISLAND	39	15	4.1	23.8	3.4	6.1	17.0	38.6	26.7	66.0	1.4	3.5	27.8
	CONNECTICUT	142	75	23.1	161.5	15.9	31.6	89.9	291.8	187.4	462.9	12.2	16.7	182.2
	MIDDLE ATLANTIC DIVISION	1 387	537	146.8	1 174.9	94.4	187.4	622.7	2 897.6	1 451.3	4 305.8	197.0	117.0	1 791.0
	NEW YORK	823	293	94.4	803.3	58.8	116.7	415.0	2 184.5	996.6	3 144.9	161.7	75.5	1 259.7
	NEW JERSEY	275	108	18.8	139.7	12.6	25.0	73.3	291.5	199.9	484.5	14.9	17.3	224.7
	PENNSYLVANIA	289	136	33.7	231.9	23.0	45.7	134.4	421.7	254.8	676.3	20.4	24.3	306.6
	NORTH CENTRAL REGION	1 126	422	102.7	694.8	70.7	141.2	406.4	1 468.2	905.1	2 341.6	66.2	88.1	1 101.1
	EAST NORTH CENTRAL DIVISION	884	345	84.2	572.4	57.4	114.3	333.1	1 188.1	741.0	1 902.8	52.6	72.0	901.6
	OHIO	206	81	13.0	85.4	8.4	16.8	44.8	150.6	79.9	225.4	4.7	11.2	111.3
	INDIANA	81	36	6.0	37.9	4.3	9.1	24.1	121.6	68.1	187.5	6.5	4.6	94.8
	ILLINOIS	370	152	44.3	304.0	29.8	58.7	172.2	659.8	418.7	1 064.0	31.1	36.6	474.8
	MICHIGAN	148	43	11.5	86.1	8.5	16.4	57.6	146.5	99.8	242.6	5.0	13.3	148.4
	WISCONSIN	79	33	9.3	59.0	6.4	13.2	34.3	110.0	74.4	183.5	5.2	6.3	72.3
	WEST NORTH CENTRAL DIVISION	242	77	18.5	122.4	13.3	26.9	73.3	280.1	164.0	438.7	13.6	16.1	199.5
	MINNESOTA	77	25	9.1	63.2	6.4	12.6	35.6	146.8	86.9	231.1	5.7	8.3	103.5
	IOWA	26	7	3.0	22.7	1.9	4.3	12.0	40.3	18.9	57.8	1.4	2.4	26.9
	MISSOURI	86	30	3.8	23.8	2.9	5.7	15.6	50.3	32.2	81.8	1.5	3.7	44.5
	NEBRASKA	20	9	1.7	8.3	1.5	3.1	7.0	36.6	21.6	57.8	4.4	1.3	22.6
	KANSAS	28	6	.8	4.5	.6	1.2	3.1	5.8	4.4	10.0	.6	.3	2.0
	SOUTH REGION	631	190	38.2	193.9	30.0	59.6	128.1	472.7	336.1	795.8	35.3	23.8	219.2
	SOUTH ATLANTIC DIVISION	309	97	18.8	100.4	14.3	28.5	63.0	239.5	156.5	389.7	24.7	13.1	114.1
	DELAWARE	10	4	.9	6.1	.4	.9	2.0	13.4	5.5	18.7	.4	(D)	(D)
	MARYLAND	61	21	2.6	15.7	2.0	3.8	10.3	29.5	18.2	47.1	1.0	1.8	20.4
	VIRGINIA	33	11	2.3	12.0	1.7	3.3	6.7	21.6	18.4	39.5	.6	(D)	(D)
	WEST VIRGINIA	15	3	.4	1.3	.3	.6	1.0	2.9	2.7	5.4	(Z)	.8	4.5
	NORTH CAROLINA	40	16	4.9	27.1	4.0	7.9	17.7	80.1	42.2	121.8	14.7	3.1	24.3
	SOUTH CAROLINA	10	5	2.6	11.8	2.2	4.6	9.2	30.9	30.9	60.9	(D)	1.7	13.6
	GEORGIA	30	8	1.7	8.4	1.3	2.6	5.6	18.5	13.2	28.9	1.3	(D)	(D)
	FLORIDA	102	26	3.2	17.3	2.3	4.6	10.4	42.0	24.5	65.6	2.0	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	91	30	6.4	26.6	5.3	11.0	20.1	58.5	39.8	96.7	3.0	3.5	35.3
	KENTUCKY	21	7	2.1	8.3	1.9	4.0	6.6	13.1	7.6	20.5	.8	.9	9.7
	TENNESSEE	41	12	2.1	9.6	1.6	3.3	6.7	22.5	16.4	38.3	.9	2.2	23.5
	ALABAMA	18	4	.5	1.9	.4	.7	1.3	3.4	2.9	6.4	.4	(D)	(D)
	MISSISSIPPI	11	7	1.7	6.9	1.5	3.0	5.5	19.5	12.7	31.5	.9	.2	1.6
	WEST SOUTH CENTRAL DIVISION	231	63	13.0	66.9	10.4	20.1	45.0	174.7	139.9	309.4	7.6	7.2	69.9
	ARKANSAS	11	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	17	2	.4	2.5	.3	.6	1.5	3.1	3.8	6.8	.2	.5	4.8
	OKLAHOMA	32	7	.6	4.1	.5	.9	2.4	6.3	2.8	8.9	.3	(D)	(D)
	TEXAS	171	50	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.2	44.4
	WEST REGION	841	257	42.0	310.8	27.6	56.4	170.5	606.8	337.4	946.1	24.1	26.4	312.5
	MOUNTAIN DIVISION	117	30	6.4	48.7	4.3	9.6	26.8	115.4	51.8	171.4	2.7	2.8	39.6
	COLORADO	52	13	2.4	16.5	1.9	4.4	12.4	32.2	10.6	41.5	1.0	.9	9.1
	NEW MEXICO	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARIZONA	27	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	UTAH	21	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	724	227	35.6	262.0	23.3	46.8	143.7	491.3	285.6	774.8	21.4	23.6	272.9
	WASHINGTON	35	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	OREGON	30	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	10.9
	CALIFORNIA	658	210	33.2	246.6	21.6	43.8	133.7	451.6	264.7	711.8	19.6	22.5	259.5
381	ENGINEER'G, SCIENTIFIC INSTRUMENTS	677	282	46.1	327.1	31.4	64.0	191.2	617.4	405.5	1 000.8	21.8	33.1	358.6
	NORTHEAST REGION	274	112	11.9	82.9	8.4	17.0	49.6	156.7	106.5	258.3	6.9	11.3	123.8
	NEW ENGLAND DIVISION	97	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	34.7
	MAINE	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW HAMPSHIRE	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	56	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	27.1
	RHODE ISLAND	8	3	.2	1.3	.1	.3	.8	2.4	1.0	3.3	.1	(D)	(D)
	CONNECTICUT	24	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.8
	MIDDLE ATLANTIC DIVISION	177	75	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.9	89.1
	NEW YORK	80	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.9	56.6
	NEW JERSEY	50	22	2.6	18.5	1.9	3.7	11.3	32.0	22.7	54.6	.9	2.0	20.2
	PENNSYLVANIA	47	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	12.2
	NORTH CENTRAL REGION	148	62	16.6	118.8	11.4	23.0	73.4	213.4	136.5	337.8	6.8	11.5	121.4
	EAST NORTH CENTRAL DIVISION	115	49	13.4	95.7	9.5	18.9	61.9	175.1	117.2	282.0	4.5	(D)	(D)
	OHIO	26	10	.8	4.5	.5	1.0	2.6	9.9	6.0	15.7	.2	.3	3.3
	INDIANA	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	48	20	4.0	26.3	2.6	4.8	14.8	58.4	41.3	94.9	1.8	3.0	36.7
	MICHIGAN	22	11	6.0	47.9	4.6	8.8	34.1	77.4	50.0	123.5	1.8	4.5	50.9
	WISCONSIN	10	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963		
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)	
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)							
381	ENGINEER'G, SCIENTIFIC INSTRUMENTS--CON.														381
	WEST NORTH CENTRAL DIVISION	33	13	3.2	23.1	1.9	4.1	11.6	38.2	19.3	55.8	2.3	(D)	(D)	381
	MINNESOTA	7	5	1.0	7.8	.6	1.4	3.9	14.3	8.0	22.0	1.3	(D)	(D)	381
	IOWA	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	MISSOURI	11	3	.3	1.8	.2	.4	1.1	3.0	1.6	4.5	.1	(D)	(D)	381
	KANSAS	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	SOUTH REGION	117	50	7.7	47.6	5.5	11.2	28.4	90.9	69.5	155.6	4.0	5.0	46.5	381
	SOUTH ATLANTIC DIVISION	58	27	3.9	22.4	2.8	5.4	13.5	47.0	37.3	82.1	1.6	2.9	27.6	381
	DELAWARE	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	MARYLAND	16	9	1.0	7.0	.6	1.3	4.0	9.9	8.5	17.9	.2	.8	7.4	381
	VIRGINIA[e]	9	4	.7	4.2	.5	1.0	2.5	8.5	9.7	17.7	.2	(D)	(D)	381
	WEST VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	NORTH CAROLINA	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	FLORIDA	17	7	.6	3.0	.4	.8	2.1	8.7	3.1	11.2	.3	.3	2.3	381
	EAST SOUTH CENTRAL DIVISION	8	5	.6	2.8	.5	1.0	1.9	7.0	4.3	11.2	.8	.2	1.4	381
	TENNESSEE	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	MISSISSIPPI	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	WEST SOUTH CENTRAL DIVISION	51	18	3.3	22.4	2.3	4.7	12.9	36.8	27.8	62.4	1.6	1.9	16.4	381
	OKLAHOMA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	TEXAS	44	14	2.8	18.8	1.9	3.9	10.9	31.8	25.0	54.9	(D)	(D)	(D)	381
	WEST REGION	138	58	9.9	77.8	6.2	12.8	39.8	156.4	93.0	249.0	4.1	5.2	68.0	381
	MOUNTAIN DIVISION	16	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	29.0	381
	COLORADO	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	ARIZONA	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	381
	PACIFIC DIVISION	122	53	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	39.0	381
	CALIFORNIA	117	50	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	37.8	381
382	MECHAN. MEASURING, CONTROL DEVICES	766	339	104.3	731.6	68.6	135.1	400.1	1 391.7	691.2	2 073.0	58.3	94.0	1 111.6	382
	NORTHEAST REGION	307	146	48.5	351.3	30.7	60.3	182.7	613.6	316.3	923.2	28.7	40.7	473.6	382
	NEW ENGLAND DIVISION	97	44	20.3	145.2	12.0	23.6	66.2	242.9	121.0	359.3	12.3	17.3	190.0	382
	VERMONT	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	MASSACHUSETTS	44	17	11.4	83.6	6.4	12.4	34.1	139.1	67.7	201.9	8.3	9.9	112.2	382
	RHODE ISLAND	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	CONNECTICUT	40	21	6.7	47.4	4.3	8.6	24.8	78.5	40.3	118.9	3.4	5.7	60.4	382
	MIDDLE ATLANTIC DIVISION	210	102	28.3	206.1	18.8	36.7	116.5	370.6	195.3	563.9	16.4	23.4	283.7	382
	NEW YORK	92	37	7.1	50.2	5.3	10.2	32.0	92.4	51.3	141.7	2.6	(D)	(D)	382
	NEW JERSEY	58	26	3.0	20.3	2.0	3.9	11.4	36.6	19.9	56.4	.9	3.1	31.0	382
	PENNSYLVANIA	60	39	18.2	135.7	11.5	22.6	73.1	241.6	124.1	365.8	12.9	(D)	(D)	382
	NORTH CENTRAL REGION	215	98	40.7	278.6	26.9	53.1	155.2	576.0	277.8	854.0	21.3	39.8	494.1	382
	EAST NORTH CENTRAL DIVISION	189	90	33.1	226.7	21.2	42.0	122.5	462.3	217.0	680.4	18.2	31.7	379.6	382
	OHIO	53	28	8.6	59.7	5.1	10.6	28.9	100.0	48.7	145.8	2.6	7.9	77.9	382
	INDIANA	20	13	2.1	13.1	1.5	3.0	8.7	35.6	11.8	48.1	2.1	2.1	23.0	382
	ILLINOIS	61	28	15.3	102.9	10.1	19.5	56.5	236.3	97.8	335.8	9.3	12.4	162.9	382
	MICHIGAN	35	9	2.6	20.0	1.8	3.5	12.4	35.2	22.2	58.5	.7	6.5	77.5	382
	WISCONSIN	20	12	4.4	31.0	2.7	5.5	15.9	55.2	36.4	92.1	3.5	2.8	38.3	382
	WEST NORTH CENTRAL DIVISION	26	8	7.6	51.9	5.7	11.0	32.7	113.6	60.8	173.6	3.1	8.2	114.5	382
	MINNESOTA	9	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	IOWA	5	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.1	382
	MISSOURI	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	NEBRASKA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	SOUTH REGION	105	41	5.1	28.1	3.8	6.9	18.0	61.5	36.1	94.7	3.2	3.9	42.2	382
	SOUTH ATLANTIC DIVISION	38	14	2.5	13.2	1.8	3.2	7.9	26.2	13.1	37.6	2.1	1.3	10.9	382
	MARYLAND	12	2	.3	1.7	.2	.4	1.2	3.1	1.2	4.2	.1	(D)	(D)	382
	NORTH CAROLINA	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	GEORGIA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	FLORIDA	14	6	.5	2.6	.3	.6	1.4	3.3	2.2	6.1	.2	.4	2.7	382
	EAST SOUTH CENTRAL DIVISION	15	5	1.0	5.1	.9	1.7	3.9	8.7	5.4	13.9	.4	1.6	18.8	382
	KENTUCKY	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	TENNESSEE[e]	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	WEST SOUTH CENTRAL DIVISION	52	22	1.6	9.8	1.1	2.1	6.1	26.7	17.6	43.2	.7	1.0	12.5	382
	OKLAHOMA	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	TEXAS	39	17	1.3	8.3	.9	1.7	5.2	22.8	14.1	35.7	.5	(D)	(D)	382
	WEST REGION	139	54	10.1	73.5	7.1	14.8	44.2	140.6	61.1	201.1	5.2	9.6	101.7	382
	MOUNTAIN DIVISION	20	6	1.6	12.5	1.4	3.3	9.9	25.0	5.4	29.6	.6	.3	2.1	382
	COLORADO	7	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	NEW MEXICO	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	PACIFIC DIVISION	119	48	8.4	61.0	5.8	11.5	34.4	115.6	55.6	171.5	4.5	9.3	99.6	382
	OREGON	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	382
	CALIFORNIA	113	46	8.2	59.4	5.6	11.2	33.4	112.3	54.4	167.0	(D)	9.1	97.4	382

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967										1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
383	OPTICAL INSTRUMENTS AND LENSES--CON.													
	NORTHEAST REGION	152	60	10.9	92.2	7.1	14.5	49.6	155.0	70.3	221.6	6.7	7.6	84.3
	NEW ENGLAND DIVISION	37	17	6.3	58.2	3.6	7.3	27.1	98.4	39.2	136.2	5.0	3.6	47.2
	NEW HAMPSHIRE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	26	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	9	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	115	43	4.7	34.0	3.5	7.2	22.5	56.6	31.1	85.5	1.7	4.0	37.1
	NEW YORK	67	27	3.7	27.8	2.8	5.7	18.4	46.3	25.1	69.0	1.4	3.1	28.2
	NEW JERSEY[e]	23	4	.2	1.8	.2	.3	1.0	3.6	2.1	5.6	.1	.2	1.7
	PENNSYLVANIA	25	12	.7	4.4	.6	1.1	3.1	6.7	3.9	10.8	.2	.7	7.3
	NORTH CENTRAL REGION	46	12	1.4	9.8	1.0	1.9	5.7	18.8	9.1	26.8	2.1	1.4	13.3
	EAST NORTH CENTRAL DIVISION	37	12	1.4	9.5	1.0	1.8	5.5	18.1	8.8	25.8	2.1	1.1	10.4
	ILLINOIS	18	7	.8	5.4	.5	1.0	2.8	10.3	5.2	15.1	.7	.7	7.1
	MICHIGAN	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	26	9	1.5	7.2	1.2	2.5	5.2	19.2	6.6	24.9	1.0	.8	8.5
	SOUTH ATLANTIC DIVISION[e]	18	4	.3	1.8	.2	.4	1.2	3.1	1.4	4.5	.2	(D)	(D)
	MARYLAND[e]	8	3	.2	1.3	.1	.3	.9	2.6	.9	3.4	.2	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	79	28	6.9	53.8	3.9	8.7	25.5	90.7	44.4	133.7	5.9	2.1	25.8
	PACIFIC DIVISION	74	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	25.7
	CALIFORNIA	67	27	6.8	53.3	3.9	8.6	25.2	90.0	44.0	132.5	(D)	2.0	25.0
384	MEDICAL INSTRUMENTS AND SUPPLIES	1 466	425	67.4	427.3	48.3	95.1	247.5	965.6	599.4	1 533.8	53.5	51.4	634.7
	NORTHEAST REGION	524	184	32.6	216.9	22.8	45.2	121.9	459.6	290.3	736.6	19.8	26.8	320.2
	NEW ENGLAND DIVISION	120	53	8.1	46.7	6.2	12.0	29.0	91.6	63.3	153.3	4.6	6.6	60.5
	MASSACHUSETTS	67	25	2.8	17.7	2.0	3.9	9.0	31.5	22.7	54.3	1.7	2.2	19.6
	RHODE ISLAND	11	3	.7	3.7	.6	1.3	3.0	5.6	5.2	10.9	(D)	(D)	(D)
	CONNECTICUT	33	23	4.5	24.9	3.4	6.7	16.6	53.5	34.5	86.2	2.4	3.6	34.7
	MIDDLE ATLANTIC DIVISION	404	131	24.5	170.2	16.6	33.2	92.8	368.1	227.0	583.2	15.2	20.2	259.7
	NEW YORK	236	66	10.1	68.5	7.1	14.1	39.4	143.0	89.9	227.2	5.6	7.5	88.9
	NEW JERSEY	66	22	7.0	55.9	4.5	9.0	27.0	129.2	77.5	201.8	6.1	7.1	94.2
	PENNSYLVANIA	102	43	7.4	45.8	5.1	10.1	26.4	95.9	59.7	154.3	3.4	5.6	76.7
	NORTH CENTRAL REGION	410	138	17.8	113.2	12.8	25.1	68.0	281.3	167.0	438.5	17.1	14.1	195.0
	EAST NORTH CENTRAL DIVISION	305	109	14.3	92.2	10.1	19.8	54.9	227.7	133.8	352.6	12.9	10.9	159.9
	OHIO	79	32	2.9	16.7	2.2	4.1	10.1	32.3	19.6	50.3	1.4	2.3	23.5
	INDIANA	29	10	1.0	6.1	.8	1.6	4.0	21.2	12.8	31.8	1.1	(D)	(D)
	ILLINOIS	116	44	7.0	49.7	4.7	9.3	28.5	132.1	66.7	195.2	9.0	5.9	101.5
	MICHIGAN	49	14	1.6	10.0	1.2	2.2	5.7	19.6	17.4	36.7	.8	1.3	11.6
	WISCONSIN	32	9	1.7	9.8	1.3	2.7	6.5	22.5	17.3	38.7	.6	(D)	(D)
	WEST NORTH CENTRAL DIVISION	105	29	3.5	21.0	2.7	5.3	13.1	53.5	33.2	85.9	4.2	3.2	35.1
	MINNESOTA	30	8	.7	4.1	.4	.7	1.9	9.7	6.2	15.8	.1	.7	6.4
	MISSOURI	40	13	1.3	8.6	.9	1.8	4.9	13.8	10.6	24.0	.5	1.4	12.1
	NEBRASKA	11	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	239	43	9.3	46.5	7.3	14.8	29.8	115.4	78.4	188.7	11.8	5.1	52.3
	SOUTH ATLANTIC DIVISION	132	26	5.2	28.4	4.0	8.1	17.4	64.4	44.2	106.1	6.6	3.7	37.2
	DELAWARE	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	16	4	.6	2.9	.5	.9	1.9	5.3	4.5	9.8	.1	.2	3.9
	NORTH CAROLINA	20	5	1.0	6.0	.8	1.7	3.6	8.3	4.7	13.0	.2	.8	5.2
	SOUTH CAROLINA	7	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	45	5	1.1	6.2	.9	1.9	4.2	16.6	6.9	22.5	1.4	.8	10.9
	EAST SOUTH CENTRAL DIVISION	42	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	7.1
	KENTUCKY	14	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.4
	TENNESSEE	17	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.2
	WEST SOUTH CENTRAL DIVISION	65	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	8.1
	TEXAS	47	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	6.4
	WEST REGION	293	60	7.7	50.7	5.3	10.1	27.7	109.3	63.7	170.1	4.7	5.3	67.3
	MOUNTAIN DIVISION	51	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.1
	COLORADO	22	5	.6	3.5	.4	.7	1.8	6.4	3.8	9.8	.2	.5	4.6
	UTAH	14	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	242	49	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	61.2
	WASHINGTON	14	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	215	44	6.4	43.0	4.4	8.5	23.8	94.4	54.3	146.3	(D)	4.4	59.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
385	OPHTHALMIC GOODS	461	142	25.6	143.4	20.7	41.1	103.4	286.4	144.1	426.0	14.5	20.3	177.9
	NORTHEAST REGION	209	76	17.9	103.8	14.6	28.6	75.0	205.4	92.5	292.0	12.3	15.4	138.2
	NEW ENGLAND DIVISION	51	23	6.4	34.6	5.5	10.4	26.1	93.6	38.3	130.3	4.9	5.6	58.6
	VERMONT	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	30	14	4.8	26.1	4.1	7.8	20.1	72.6	29.2	100.6	4.5	4.0	45.5
	RHODE ISLAND	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	158	53	11.5	69.2	9.1	18.2	48.8	111.8	54.2	161.7	7.4	9.7	79.6
	NEW YORK	102	34	9.1	55.7	7.1	14.1	39.2	85.9	37.6	119.4	6.6	7.7	61.5
	NEW JERSEY	26	10	.9	4.7	.7	1.5	3.3	8.8	5.3	14.0	.2	.7	7.3
	PENNSYLVANIA	30	9	1.5	8.8	1.2	2.6	6.3	17.2	11.3	28.3	.6	1.3	10.8
	NORTH CENTRAL REGION	115	33	3.2	17.9	2.6	5.5	13.0	31.8	18.7	51.6	.8	2.0	17.1
	EAST NORTH CENTRAL DIVISION	76	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	10.5
	OHIO	22	4	.3	1.3	.2	.4	1.1	2.3	2.0	4.3	(Z)	.2	1.5
	INDIANA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	29	7	.9	5.7	.7	1.6	4.2	8.4	5.6	13.9	.2	.5	3.9
	WEST NORTH CENTRAL DIVISION	39	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	6.7
	MINNESOTA	13	7	.6	3.1	.5	1.1	2.1	10.4	3.0	13.3	.1	(D)	(D)
	MISSOURI	15	7	.7	3.1	.6	1.4	2.5	4.1	4.2	8.5	(D)	.5	3.2
	SOUTH REGION	75	19	3.4	16.4	2.7	5.6	11.1	39.5	25.8	65.5	(D)	2.7	20.5
	SOUTH ATLANTIC DIVISION	27	11	2.8	13.3	2.2	4.5	8.8	33.3	20.0	53.6	(D)	2.4	17.5
	MARYLAND	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	10	6	.8	4.4	.5	1.0	2.0	11.3	10.5	21.9	.1	.6	5.9
	WEST SOUTH CENTRAL DIVISION	35	7	.6	2.6	.5	.9	2.0	5.3	5.1	10.4	.1	(D)	(D)
	TEXAS	22	7	.5	2.3	.4	.8	1.7	4.6	4.8	9.4	.1	(D)	(D)
	WEST REGION	62	14	.9	5.3	.8	1.5	4.4	9.6	7.2	16.8	(D)	.2	2.1
	MOUNTAIN DIVISION	13	3	.2	.9	.1	.2	.8	1.4	1.4	2.8	(D)	(Z)	.1
	PACIFIC DIVISION	49	11	.8	4.4	.6	1.3	3.6	8.2	5.8	14.0	.4	.2	2.0
	CALIFORNIA	35	7	.5	3.0	.5	.9	2.4	5.6	3.2	8.8	.3	(D)	(D)
386	PHOTOGRAPHIC EQUIP. AND SUPPLIES	557	214	94.9	820.2	56.2	112.1	401.3	2 480.7	1 203.3	3 664.5	217.9	64.9	1 270.1
	NORTHEAST REGION	232	97	67.5	634.2	37.0	73.8	294.6	2 034.2	852.1	2 867.8	185.6	48.8	1 034.1
	NEW ENGLAND DIVISION	36	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.3	81.6
	MASSACHUSETTS	23	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.0	78.3
	CONNECTICUT	11	4	.3	2.1	.2	.5	1.2	4.5	2.8	7.3	.3	(D)	(D)
	MIDDLE ATLANTIC DIVISION	196	83	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	43.5	952.2
	NEW YORK	137	59	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	39.4	882.6
	NEW JERSEY	40	16	4.2	33.6	2.6	5.2	16.4	72.3	63.4	134.5	6.4	3.7	65.9
	PENNSYLVANIA[e]	19	8	.4	2.3	.3	.5	1.3	5.1	4.2	9.2	.4	.4	4.0
	NORTH CENTRAL REGION	156	62	15.1	110.1	10.1	20.5	59.3	260.3	219.7	471.3	15.4	10.7	177.9
	EAST NORTH CENTRAL DIVISION	129	53	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.7	163.9
	OHIO	17	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.7
	INDIANA	11	5	1.2	8.1	.8	1.7	4.7	46.5	33.9	79.6	(D)	(D)	(D)
	ILLINOIS	77	36	11.0	83.6	7.2	14.9	44.3	156.8	140.8	292.2	8.7	7.8	101.6
	MICHIGAN	17	3	.3	1.7	.2	.4	.9	3.2	4.7	7.9	(D)	(D)	(D)
	WISCONSIN	7	5	.6	2.7	.5	.8	1.7	5.7	2.9	8.7	.6	.3	1.4
	WEST NORTH CENTRAL DIVISION	27	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	14.0
	MINNESOTA	11	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	49	14	5.9	27.0	4.9	9.4	18.9	87.5	64.7	152.7	(D)	1.5	11.3
	SOUTH ATLANTIC DIVISION	28	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA[e]	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	15	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARKANSAS	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	11	3	.2	1.0	.1	.3	.7	1.8	2.4	4.2	.2	.1	.9
	WEST REGION	120	41	6.4	48.8	4.2	8.4	28.5	98.7	66.8	172.6	(D)	3.9	46.9
	MOUNTAIN DIVISION	12	5	.4	2.4	.3	.6	1.7	1.3	2.5	6.4	.1	.2	2.2
	ARIZONA[e]	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	108	36	6.1	46.5	3.9	7.7	26.7	97.4	64.3	166.2	(D)	3.7	44.7
	OREGON	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	101	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
387	WATCHES, CLOCKS, AND WATCHCASES	223	103	35.2	209.0	27.7	55.3	139.6	392.9	417.6	802.1	10.4	29.8	307.3
	NORTHEAST REGION	157	70	22.1	140.9	17.1	33.7	90.7	246.1	284.7	524.1	6.4	16.5	185.9
	NEW ENGLAND DIVISION	30	20	11.4	69.5	8.7	17.0	45.8	143.9	112.1	246.4	4.4	8.2	96.7
	MASSACHUSETTS	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	45.2
	RHODE ISLAND	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	21	13	6.8	42.4	5.0	9.7	24.5	77.8	80.0	146.9	3.0	(D)	(D)
	MIDDLE ATLANTIC DIVISION	127	50	10.7	71.4	8.3	16.7	44.8	102.2	172.6	277.7	2.0	8.3	89.2
	NEW YORK	109	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.0	66.4
	NEW JERSEY	12	8	.9	5.0	.7	1.3	2.9	8.9	9.0	17.5	.2	.8	4.2
	PENNSYLVANIA	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CENTRAL REGION	36	17	7.8	46.4	6.0	12.2	31.8	86.6	76.5	161.5	2.7	8.5	82.6
	EAST NORTH CENTRAL DIVISION	33	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	INDIANA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	21	10	5.3	30.5	4.0	7.7	21.0	57.0	61.4	116.9	1.4	6.4	61.1
	MICHIGAN	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	2.5
	WISCONSIN	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	20	14	5.1	21.0	4.5	9.2	16.8	58.8	55.1	113.7	1.3	4.7	38.0
	SOUTH ATLANTIC DIVISION	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	6	6	1.9	7.1	1.6	3.2	5.8	18.4	17.0	35.0	.5	(D)	(D)
	TENNESSEE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	6	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)e

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Instruments and related products (SIC 38)	Engineering and scientific instruments (SIC 381)	Mechanical measuring and control devices (SIC 382)	Optical instruments and lenses (SIC 383)	Medical instruments and lenses (SIC 384)	Ophthalmic goods (SIC 385)	Photographic equipment and supplies (SIC 386)	Watches clocks and watchcases (SIC 387)
ESTABLISHMENTS, TOTAL ..... NUMBER	4 453	677	766	303	1 466	461	557	223
WITH 1 TO 19 EMPLOYEES ..... DO	2 839	395	427	194	1 041	319	343	120
WITH 20 TO 99 EMPLOYEES ..... DO	992	186	179	68	278	98	133	50
WITH 100 EMPLOYEES OR MORE ..... DO	622	96	160	41	147	44	81	53
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	394.3	46.1	104.3	20.8	67.4	25.6	94.9	35.2
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	2 821.6	327.1	731.6	163.0	427.3	143.4	820.2	209.0
PRODUCTION WORKERS:								
AVERAGE FOR YEAR 1,000	265.9	31.4	68.6	13.2	48.3	20.7	56.2	27.7
MARCH ..... DO	263.5	30.9	68.8	13.0	47.3	20.8	55.8	26.9
MAY ..... DO	264.6	31.1	68.3	13.0	48.2	21.1	55.8	27.1
AUGUST ..... DO	268.0	32.1	68.3	13.5	48.5	20.5	56.9	28.2
NOVEMBER ..... DO	268.1	31.6	68.9	13.5	48.8	20.6	56.2	28.5
MAN-HOURS ..... MILLIONS	530.2	64.0	135.1	27.6	95.1	41.1	112.1	55.3
JANUARY-MARCH ..... DO	133.6	16.1	34.5	6.9	23.6	10.6	28.4	13.5
APRIL-JUNE ..... DO	133.8	15.8	34.4	6.9	24.3	10.6	28.0	13.8
JULY-SEPTEMBER ..... DO	127.6	16.0	31.9	6.8	22.9	9.5	27.1	13.4
OCTOBER-DECEMBER ..... DO	135.4	16.1	34.3	7.0	24.3	10.5	28.6	14.6
WAGES ..... MILLION DOLLARS	1 569.0	191.2	400.1	86.1	247.5	103.4	401.3	139.6
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	3 591.8	405.5	691.2	130.3	599.4	144.1	1 203.3	417.6
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	3 090.1	340.8	610.0	109.8	487.4	130.5	1 013.2	398.3
COST OF RESALES ..... DO	360.7	36.7	52.1	10.2	90.9	8.0	149.6	13.1
FUELS CONSUMED ..... DO	21.7	3.4	3.4	.5	2.7	1.3	9.5	.8
PURCHASED ELECTRIC ENERGY ..... DO	34.1	4.2	8.6	1.7	5.7	2.3	9.3	2.2
CONTRACT WORK ..... DO	85.1	20.2	17.1	8.2	12.6	2.1	21.6	3.2
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	9 907.2	1 000.8	2 073.0	406.9	1 533.8	426.0	3 664.5	802.1
VALUE OF RESALES ..... DO	580.4	65.7	76.0	13.3	140.1	11.2	267.3	17.1
VALUE ADDED BY MANUFACTURE ..... DO	6 418.4	617.4	1 391.7	283.7	965.6	286.4	2 480.7	392.9
MANUFACTURERS' INVENTORIES:								
BEGINNING OF YEAR, TOTAL ..... DO	1 833.1	189.7	505.0	85.0	262.4	94.4	524.5	172.1
FINISHED PRODUCTS ..... DO	527.2	32.0	102.5	22.6	92.4	39.1	174.3	64.3
WORK IN PROCESS ..... DO	804.9	108.5	252.3	47.5	88.3	36.1	194.0	78.2
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	501.3	49.3	150.1	15.0	81.8	19.3	156.2	29.6
END OF YEAR, TOTAL ..... DO	1 978.1	218.6	514.6	91.9	301.5	97.8	568.6	185.1
FINISHED PRODUCTS ..... DO	583.4	42.4	109.0	27.3	108.3	40.1	192.4	63.9
WORK IN PROCESS ..... DO	851.9	120.1	255.7	49.8	103.6	39.6	196.1	87.0
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	542.6	56.1	149.9	14.8	89.5	18.1	180.0	34.2
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	400.2	23.1	60.1	16.4	55.0	15.0	219.1	11.2
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	392.2	21.8	58.3	15.8	53.5	14.5	217.9	10.4
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	145.2	6.8	19.0	5.1	20.0	2.8	89.8	1.8
NEW MACHINERY AND EQUIPMENT ..... DO	247.0	14.9	39.3	10.8	33.5	11.7	128.1	8.7
USED PLANT AND EQUIPMENT ..... DO	8.0	1.3	1.8	.5	1.5	.4	1.2	.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

INSTRUMENTS; SURGICAL, DENTAL, AND OPHTHALMIC EQUIPMENT AND SUPPLIES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3811--Engineering, Laboratory, and Scientific and Research Instruments and Associated Equipment
3821--Mechanical Measuring and Controlling Instruments, Except Automatic Temperature Controls
3822--Automatic Temperature Controls
3831--Optical Instruments and Lenses
3841--Surgical and Medical Instruments and Apparatus
3842--Orthopedic, Prosthetic, and Surgical Appliances and Supplies
3843--Dental Equipment and Supplies
3851--Ophthalmic Goods

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries

3811--ENGINEERING, LABORATORY, AND SCIENTIFIC AND RESEARCH INSTRUMENTS AND ASSOCIATED EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing laboratory, scientific, and engineering instruments such as nautical, navigational, aeronautical, surveying, drafting, and instruments for laboratory work and scientific research (except optical instruments--industry 3831). Establishments primarily engaged in manufacturing surgical and medical instruments are classified in industry 3841; dental instruments and equipment in industry 3843; mechanical measuring and controlling instruments in industry 3821; machinists' precision measuring tools in industry 3545; instruments for indicating, measuring, and recording electrical quantities and characteristics in industry 3611; watches and clocks in industry 3871; and measuring and dispensing pumps in industry 3586. For a detailed list of products of industry 3811, refer to table 6A, product codes 3811101 to 3811389.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Values of shipments and other receipts of the Engineering and Scientific Instruments Industry in 1967 totaled $1,001 million. This included shipments of engineering and

scientific instruments (primary products), valued at $781 million, shipments of other products (secondary products) valued at $104 million, and miscellaneous receipts (mainly products bought and resold) of $116 million.

This industry's shipments of engineering and scientific instruments (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 84 percent. Secondary products shipped by this industry in 1967 included mechanical measuring devices ($40 million).

Industry 3811 shipments of engineering and scientific instruments (primary products) in 1967 represented 73 percent (coverage ratio) of these products valued at $1,076 million shipped by all industries. In 1963, the coverage ratio was 56 percent. Other industries shipping engineering and scientific instruments (primary products) consisted mainly of industry 3662, Radio and TV Communication Equipment, $144 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3811, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3821--MECHANICAL MEASURING AND CONTROLLING INSTRUMENTS, EXCEPT AUTOMATIC TEMPERATURE CONTROLS

This industry comprises establishments primarily engaged in manufacturing industrial process instruments, for indicating, recording, measuring and controlling temperature (except automatic temperature controls industry 3822), pressure and vacuum, fluid flow and liquid level, mechanical motion, rotation, humidity, density, acidity, alkalinity, and combustion; dial pressure gauges; physical property testing apparatus such as hardness, tension, compression, torsion, ductility, and elasticity testing apparatus. For a detailed list of products of industry 3821, refer to table 6A, product codes 3821145 to 3821671.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Mechanical Measuring Devices Industry in 1967 totaled $1,455 million. This included shipments of mechanical measuring devices (primary products), valued at $1,124 million, shipments of other products (secondary products) valued at $184 million, and miscellaneous receipts of $147 million.

This industry's shipments of mechanical measuring devices (primary products) in 1967 represented 86 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80 percent. Secondary products shipped by this industry in 1967 included electric measuring instruments ($38 million) and engineering and scientific instruments ($23 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 59 percent of the total industry shipments are represented by plants specializing in product class 38213, industrial process instruments.

Industry 3821 shipments of mechanical measuring devices (primary products) in 1967 represented 82 percent (coverage ratio) of these products valued at $1,369 million shipped by all industries. In 1963, the coverage ratio was 83 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3821, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3822--AUTOMATIC TEMPERATURE CONTROLS

This industry comprises establishments primarily engaged in manufacturing automatic temperature controls activated by pressure, temperature, level, flow, time, or humidity (including pneumatic controls) of the type principally used as components of air conditioning, refrigeration, and comfort heating, or as components of household appliances. Establishments primarily engaged in manufacturing industrial electric controls are classified in industry 3622. For a detailed list of products of industry 3822, refer to table 6A, product codes 3822012 to 3822018.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Automatic Temperature Controls Industry in 1967 totaled $618 million. This included shipments of automatic temperature controls (primary products), valued at $476 million, shipments of other products (secondary products) valued at $110 million, and miscellaneous receipts (mainly products bought and resold) of $32 million.

This industry's shipments of automatic temperature controls (primary products) in 1967 represented 81 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 82 percent.

Industry 3822 shipments of automatic temperature controls (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $524 million shipped by all industries. In 1963, the coverage ratio was 95 percent. Other industries shipping automatic temperature controls (primary products) consisted mainly of industry 3622, Industrial Controls, $14 million; and industry 3821, Mechanical Measuring Devices, $14 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3822, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3831--OPTICAL INSTRUMENTS AND LENSES

This industry comprises establishments primarily engaged in the production of optical lenses and prisms, and in manufacturing optical instruments such as microscopes, telescopes, field and opera glasses; and optical measuring and testing instruments such as refractometers, spectrometers, spectroscopes, colorimeters, polariscopes. Establishments primarily engaged in manufacturing eyeglass lenses, frames, or fittings are classified in industry 3851; and those engaged in manufacturing sighting and fire control instruments, but not engaged in manufacturing optical components, in industry 1941. For a detailed list of products of industry 3831, refer to table 6A, product codes 3831131 to 3831262.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Optical Instruments and Lenses Industry in 1967 totaled $407 million. This included shipments of optical instruments and lenses (primary products), valued at $336 million, shipments of other products (secondary products) valued at $49 million, and miscellaneous receipts (mainly products bought and resold) of $22 million.

This industry's shipments of optical instruments and lenses (primary products) in 1967 represented 87 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 81 percent of the total industry shipments are represented by plants specializing in product class 38311, Optical instruments and lenses.

Industry 3831 shipments of optical instruments and lenses (primary products) in 1967 represented 74 percent (coverage ratio) of these products valued at $452 million shipped by all industries. In 1963, the coverage ratio was 61 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3831, these establishments accounted for less than 1 percent of payroll and 1 percent of value added by manufacture.

3841--SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS

This industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus. Establishments primarily engaged in manufacturing surgical and orthopedic appliances are classified in industry 3842; and electrotherapeutic, electromedical, and X-ray apparatus in industry 3693. For a detailed list of products of industry 3841, refer to table 6A, product codes 3841012 to 3841096.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Surgical and Medical Instruments Industry in 1967 totaled $475 million. This included shipments of surgical and medical instruments (primary products), valued at $375 million, shipments of other products (secondary products) valued at $38 million, and miscellaneous receipts (mainly products bought and resold) of $62 million.

This industry's shipments of surgical and medical instruments (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 88 percent. Secondary products shipped by this industry in 1967 included surgical appliances and supplies ($9 million).

Industry 3841 shipments of surgical and medical instruments (primary products) in 1967 represented 69 percent (coverage ratio) of these products valued at $543 million shipped by all industries. In 1963, the coverage ratio was 74 percent. Other industries shipping surgical and medical instruments (primary products) included industry 2834, Pharmaceutical Preparations, $59 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3841, these establishments accounted for 1 percent of payroll and of value added by manufacture.

3842--ORTHOPEDIC, PROSTHETIC AND SURGICAL APPLIANCES AND SUPPLIES

This industry comprises establishments primarily engaged in manufacturing orthopedic, prosthetic, and surgical appliances and supplies, arch supports, and other foot appliances; fracture appliances, elastic hosiery, abdominal supporters, braces, and trusses; bandages; surgical gauze and dressings; sutures; adhesive tapes and medicated plasters; and personal safety appliances and equipment. Establishments primarily engaged in manufacturing surgical and medical instruments are classified in industry 3841. Estabments primarily engaged in manufacturing appliances and in the personal fitting to the individual prescription of a physician are classified in trade industries. For a detailed list of products of industry 3842, refer to table 6A, product codes 3842111 to 3842413.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Surgical Appliances and Supplies Industry in 1967 totaled $838 million. This included shipments of surgical appliances and supplies (primary products), valued at $594 million, shipments of other products (secondary products) valued at $150 million, and miscellaneous receipts (mainly products bought and resold) of $94 million.

This industry's shipments of surgical appliances and supplies (primary products) in 1967 represented 80 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 80 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 71 percent of the total industry shipments are represented by plants specializing in product class 38421, in surgical, orthopedic and prosthetic appliances and supplies; and 18 percent in 38423, personal industrial safety devices.

Industry 3842 shipments of surgical appliances and supplies (primary products) in 1967 represented 86 percent (coverage ratio) of these products valued at $691 million shipped by all industries. In 1963, the coverage ratio was 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3842, these establishments accounted for 2 percent of payroll and value added by manufacture.

3843--DENTAL EQUIPMENT AND SUPPLIES

This industry comprises establishments primarily engaged in manufacturing artificial teeth, dental metals, alloys and amalgams, and a wide variety of equipment, instruments, and supplies used by dentists, dental laboratories, and dental colleges. Dental laboratories constructing artificial dentures, bridges, inlays and other dental restorations on specifications from dentists are classified in industry 8072. For a detailed list of products of industry 3843, refer to table 6A, product codes 3843012 to 3843098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Dental Equipment and Supplies Industry in 1967 totaled $221 million. This included shipments of dental equipment and supplies (primary products), valued at $190 million, shipments of other products (secondary products) valued at $12 million, and miscellaneous receipts (mainly products bought and resold) of $18 million.

This industry's shipments of dental equipment and supplies (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 94 percent.

Industry 3843 shipments of dental equipment and supplies (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $202 million shipped by all industries. In 1963, the coverage ratio was 92 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3843, these establishments accounted for 3 percent of payroll and value added by manufacture.

3851--OPHTHALMIC GOODS

This industry comprises establishments primarily engaged in manufacturing ophthalmic frames, lenses, and sunglass lenses. Establishments primarily engaged in manufacturing slit lamps are classified in industry 3841, and molded glass blanks in industry 3229. Establishments primarily engaged in grinding lenses and fitting glasses to prescription are classified in trade. For a detailed list of products of industry 3851, refer to table 6A, product codes 3851112 to 3851398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Ophthalmic Goods Industry in 1967 totaled $426 million. This included shipments of ophthalmic goods (primary products), valued at $360 million, shipments of other products (secondary products) valued at $51 million, and miscellaneous receipts (mainly products bought and resold) of $15 million.

This industry's shipments of ophthalmic goods (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Industry 3851 shipments of ophthalmic goods (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $378 million shipped by all industries. In 1963, the coverage ratio was 92 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3851, these establishments accounted for 2 percent of payroll and value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3811.--ENGINEERING AND SCIENTIFIC INSTRUMENTS														
1967 Census....	677	282	46.1	327.1	31.4	64.0	191.2	617.4	405.5	1,000.8	21.8	218.6	88	73
1966 ASM[1].....	(NA)	(NA)	38.3	259.5	26.4	54.7	154.5	471.5	304.8	748.7	15.0	177.6	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	31.0	203.0	21.3	43.1	118.0	355.1	227.6	583.6	12.8	115.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	30.7	194.0	21.3	42.8	115.8	304.9	215.1	520.1	15.0	113.6	(NA)	(NA)
1963 Census....	594	213	33.1	208.2	22.2	44.6	119.8	358.6	200.0	553.9	16.2	122.1	84	56
1962 ASM[1].....	(NA)	(NA)	51.0	313.2	35.1	71.1	194.8	503.5	236.8	748.9	28.7	330.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	68.1	453.6	44.5	88.8	244.4	687.7	386.0	1,097.6	27.2	279.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	72.9	469.4	46.9	97.2	261.4	742.8	427.9	1,116.0	29.4	292.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	72.8	461.5	49.2	103.0	273.7	729.5	416.8	1,133.7	21.0	278.4	(NA)	(NA)
1958 Census[2]...	559	202	57.2	330.2	38.8	78.0	198.4	481.2	283.1	752.5	16.6	245.4	78	67
INDUSTRY 3821.--MECHANICAL MEASURING DEVICES														
1967 Census....	661	285	72.9	520.8	45.9	89.9	268.9	972.0	497.3	1,455.1	45.1	390.0	86	82
1966 ASM[1].....	(NA)	(NA)	70.6	501.0	44.2	82.5	260.3	950.9	489.3	1,428.5	44.4	382.6	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	68.2	472.3	43.4	83.2	259.5	944.2	537.0	1,450.8	48.8	333.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	60.9	416.4	38.4	78.5	228.7	765.5	479.4	1,217.1	38.5	282.9	(NA)	(NA)
1963 Census....	670	258	62.4	388.9	40.4	81.5	222.8	732.5	415.9	1,143.4	30.9	256.5	80	83
1962 ASM[1].....	(NA)	(NA)	65.1	376.2	41.3	85.6	205.4	674.0	406.9	1,073.8	29.6	247.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	60.1	340.3	37.0	73.9	176.7	591.0	377.8	965.4	25.1	233.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	59.7	340.5	37.5	76.7	183.6	600.0	365.2	948.7	24.4	226.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	52.8	288.4	34.5	66.8	158.4	536.0	301.0	824.7	(S)	199.9	(NA)	(NA)
1958 Census[2]...	627	229	50.0	258.5	32.1	63.0	144.9	457.1	262.6	726.8	18.2	181.4	86	76
INDUSTRY 3822.--AUTOMATIC TEMPERATURE CONTROLS														
1967 Census....	105	54	31.4	210.8	22.6	45.2	131.1	419.7	193.9	618.0	13.2	124.6	81	91
1966 ASM[1].....	(NA)	(NA)	32.6	215.8	23.1	46.8	136.6	439.3	198.9	628.5	20.1	138.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	32.7	209.9	23.2	47.5	133.7	414.6	189.7	595.5	13.6	122.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	32.6	200.6	22.7	45.2	122.1	401.8	160.7	550.6	10.2	109.2	(NA)	(NA)
1963 Census....	104	54	31.7	192.3	22.3	45.5	122.2	379.1	158.1	527.4	10.5	110.8	82	95
1962 ASM[1].....	(NA)	(NA)	28.7	167.4	18.8	38.1	95.4	335.5	125.0	448.3	9.5	115.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	28.3	158.8	18.8	38.6	93.7	324.6	114.9	418.1	13.4	116.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	28.1	152.0	19.2	38.3	90.2	303.7	108.3	395.5	15.5	99.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	28.2	151.2	19.2	39.3	91.8	287.7	108.5	392.1	*13.9	83.3	(NA)	(NA)
1958 Census[2]...	83	44	25.5	129.0	18.0	35.6	81.1	259.0	103.8	359.4	6.0	76.1	88	94
INDUSTRY 3831.--OPTICAL INSTRUMENTS AND LENSES														
1967 Census....	303	109	20.8	163.0	13.2	27.6	86.1	283.7	130.3	406.9	15.8	91.9	87	74
1966 ASM[1].....	(NA)	(NA)	17.4	131.7	10.8	22.7	70.2	225.5	119.2	332.4	12.9	85.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	15.7	116.5	10.2	21.6	65.3	205.4	94.0	291.4	7.8	71.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	15.1	104.0	9.8	19.7	58.0	176.9	80.4	253.4	6.3	59.4	(NA)	(NA)
1963 Census....	280	79	11.9	79.1	8.3	16.7	47.1	131.9	66.6	196.0	6.2	43.0	90	61
1962 ASM[1].....	(NA)	(NA)	8.3	59.0	5.9	12.0	33.8	83.8	46.5	134.2	8.2	27.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	7.9	51.2	5.4	10.7	29.1	65.7	37.9	103.4	8.6	27.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	8.0	51.1	5.7	11.6	30.6	79.4	49.1	124.2	3.6	23.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.7	50.7	6.6	13.8	31.7	81.5	56.4	134.8	(S)	28.3	(NA)	(NA)
1958 Census[2]...	224	58	7.2	37.6	5.1	10.5	23.5	60.4	42.7	103.0	3.4	22.0	90	66
INDUSTRY 3841.--SURGICAL AND MEDICAL INSTRUMENTS														
1967 Census....	321	138	22.0	139.6	16.4	32.8	83.5	297.4	192.1	475.4	18.5	101.6	91	69
1966 ASM[1].....	(NA)	(NA)	17.6	108.3	13.4	26.8	64.4	228.2	141.5	360.1	13.4	76.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	15.4	89.4	11.3	22.5	52.6	188.3	112.0	297.8	10.9	59.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	14.7	83.0	11.1	21.9	50.8	165.7	131.8	296.6	6.2	55.6	(NA)	(NA)
1963 Census....	294	117	15.1	83.3	11.5	22.9	52.5	168.6	126.9	284.0	10.5	54.1	88	74
1962 ASM[1].....	(NA)	(NA)	12.4	67.0	9.2	18.2	40.8	129.2	93.8	216.7	6.8	41.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	11.7	61.6	8.9	17.6	38.8	107.0	74.0	181.5	4.8	33.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.6	58.1	8.8	17.6	36.8	96.8	64.2	159.6	4.4	32.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	10.2	50.4	7.7	15.4	31.5	84.3	57.9	142.0	2.5	31.0	(NA)	(NA)
1958 Census[2]...	231	88	10.3	44.9	8.1	16.2	31.0	85.2	48.9	130.5	2.8	30.6	83	76

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3842.–SURGICAL APPLIANCES AND SUPPLIES													
1967 Census....	811	211	35.2	220.3	24.6	48.0	125.7	527.2	324.5	837.9	30.5	154.0	80	86
1966 ASM[1].....	(NA)	(NA)	34.7	206.3	23.7	47.4	106.9	467.4	314.4	768.9	24.7	143.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	31.6	193.3	21.3	42.3	101.6	418.3	268.9	680.4	17.3	114.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	28.4	168.4	19.0	38.3	88.8	379.6	245.9	622.6	18.4	102.5	(NA)	(NA)
1963 Census....	704	162	28.3	161.8	19.0	37.9	85.8	370.3	230.1	596.7	17.8	100.2	80	90
1962 ASM[1].....	(NA)	(NA)	28.9	175.9	17.6	35.1	78.4	365.9	230.8	583.7	20.4	96.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	27.9	265.0	17.1	34.9	73.7	357.1	225.6	556.5	*30.4	100.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	27.4	159.9	17.3	34.7	72.9	371.0	233.7	583.9	12.1	91.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	26.5	148.5	17.6	35.6	71.1	331.7	217.0	547.6	(S)	73.6	(NA)	(NA)
1958 Census[2]...	590	161	24.2	114.9	16.3	31.5	62.1	257.6	200.4	461.8	9.1	70.4	84	90
	INDUSTRY 3843--DENTAL EQUIPMENT AND SUPPLIES													
1967 Census....	334	76	10.2	67.4	7.3	14.3	38.3	141.0	82.8	220.5	4.5	45.9	94	94
1966 ASM[1].....	(NA)	(NA)	9.5	60.6	6.6	13.3	35.4	130.1	74.0	205.6	*5.0	41.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	9.1	55.6	6.6	12.6	32.7	124.6	70.1	194.0	4.5	39.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	8.1	48.1	5.7	11.5	28.2	105.4	61.7	164.6	*3.2	35.9	(NA)	(NA)
1963 Census....	316	66	8.0	46.1	5.8	11.2	27.1	95.9	52.8	147.8	2.7	33.7	94	92
1962 ASM[1].....	(NA)	(NA)	7.3	39.1	5.1	10.0	22.6	88.0	51.8	139.6	1.9	30.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	7.4	38.1	5.2	10.0	22.2	76.3	48.3	124.0	1.3	30.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	7.5	38.1	5.4	10.3	23.2	79.5	48.3	125.5	2.8	29.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.2	36.3	5.2	10.2	22.1	75.0	44.1	118.2	1.8	27.4	(NA)	(NA)
1958 Census[2]...	249	55	7.2	34.8	5.2	10.2	21.1	71.6	44.9	115.7	1.5	26.4	95	92
	INDUSTRY 3851.--OPHTHALMIC GOODS													
1967 Census....	[3]461	142	25.6	143.4	20.8	41.1	103.4	286.4	144.1	426.0	14.5	97.8	88	95
1966 ASM[1].....	(NA)	(NA)	23.0	121.4	18.9	38.2	89.7	237.0	116.8	346.8	12.6	86.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	22.4	112.8	18.2	37.0	81.3	215.6	106.6	318.2	10.0	77.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	21.0	104.5	17.0	34.6	76.2	197.0	104.1	300.3	8.9	74.4	(NA)	(NA)
1963 Census....	229	109	20.3	96.4	16.5	32.8	69.0	177.9	96.6	272.7	9.1	72.7	86	92
1962 ASM[1].....	(NA)	(NA)	21.1	93.7	17.8	35.6	70.2	159.9	81.7	241.5	7.1	66.5	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	19.3	83.7	16.0	31.7	61.1	147.6	72.2	217.8	9.0	65.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	20.7	84.2	17.1	33.7	63.1	152.8	74.3	225.5	5.7	64.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	19.5	78.9	16.4	32.4	59.4	146.3	70.9	214.8	5.1	62.7	(NA)	(NA)
1958 Census[2]...	246	104	18.2	71.5	15.3	30.0	53.5	136.7	62.0	194.4	5.4	59.6	87	98

Note: In 1967, 1963, and 1958, the number of companies in industry 3811 was 642, 571, and 539, respectively; in industry 3821: 605, 510, and 586; industry 3822: 88, 89, and 71; industry 3831: 287, 272, and 222; industry 3841: 298, 256, and 226; industry 3842: 755, 525, and 553; industry 3843: 314, 267, and 240; industry 3851: 432, 211 and 226. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors of the 1966/1965 relatives for employment and value added, for each industry, were as follows: Industry 3811, 5 and 2; industry 3821, 1 and 1; industry 3822, 1 and 1; industry 3831, 1 and 1; industry 3841, 3 and 3; industry 3842, 9 and 5; industry 3843, 1 and 2; and industry 3851, 1 and 1.

[2]Data prior to 1958 appear in Volume II 1963 Census of Manufactures, in table 1 of the chapter devoted to the industry.

[3]For 1967, a sizeable number of small establishments (typically under 10 employees) may have been misclassified in this industry because of the use of administrative records. Although this has a significant effect on the number of establishments for this industry, it has a small effect on the statistics, i.e. number of employees, salaries and wages, value added, etc. It is estimated that the effect on these principal statistics is less than 2 percent.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3811.--ENGINEERING AND SCIENTIFIC INSTRUMENTS								
1967 Census	7,093	68	2,036	2.99	.41	.73	13,386	53	9.64
1966 ASM	6,783	69	2,076	2.82	.41	.75	12,324	55	8.61
1965 ASM	6,544	69	2,028	2.73	.39	.74	11,447	57	8.23
1964 ASM	6,317	69	2,013	2.70	.41	.79	9,930	64	7.12
1963 Census	6,292	67	2,010	2.69	.36	.74	10,839	58	8.04
1962 ASM	6,141	69	2,024	2.74	.32	.73	9.871	62	7.08
1961 ASM	6,658	65	1,995	2.75	.35	.76	10,094	66	7.75
1960 ASM	6,439	64	2,070	2.69	.37	.77	10,191	63	7.64
1959 ASM	6,340	68	2,093	2.66	.37	.77	10,022	63	7.09
1958 Census	5,768	68	2,013	2.54	.38	.81	8,405	69	6.17
	INDUSTRY 3821.--MECHANICAL MEASURING SERVICES								
1967 Census	7,143	63	1,958	2.99	.34	.70	13,332	54	10.81
1966 ASM	7,092	63	1,867	3.15	.34	.69	13,461	53	11.52
1965 ASM	6,921	64	1,918	3.12	.37	.70	13,838	50	11.35
1964 ASM	6,836	63	2,046	2.91	.39	.74	12,569	54	9.75
1963 Census	6,237	65	2,018	2.73	.36	.70	11,748	53	8.99
1962 ASM	5,781	63	2,074	2.40	.38	.73	10,357	56	7.88
1961 ASM	5,665	62	1,995	2.39	.39	.74	9,839	58	8.00
1960 ASM	5,704	63	2,045	2.39	.39	.74	10,050	57	7.82
1959 ASM	5,465	65	1,933	2.37	.37	.71	10,155	54	8.03
1958 Census	5,165	64	1,961	2.30	.36	.72	9,134	57	7.26
	INDUSTRY 3822.--AUTOMATIC TEMPERATURE CONTROLS								
1967 Census	6,708	72	1,995	2.90	.31	.65	13,355	50	9.29
1966 ASM	6,611	71	2,024	2.92	.32	.66	13,461	49	9.39
1965 ASM	6,411	71	2,042	2.82	.32	.67	12,662	51	8.74
1964 ASM	6,157	70	1,994	2.70	.29	.66	12,330	50	8.89
1963 Census	6,069	70	2,039	2.69	.30	.66	11,964	51	8.34
1962 ASM	5,828	65	2,028	2.50	.28	.65	11,678	50	8.81
1961 ASM	5,619	67	2,053	2.43	.27	.65	11,489	49	8.41
1960 ASM	5,414	68	1,997	2.36	.27	.66	10,815	50	7.94
1959 ASM	5,366	68	2,048	2.34	.28	.66	10,208	53	7.32
1958 Census	5,055	71	1,972	2.28	.29	.65	10,150	50	7.27
	INDUSTRY 3831.--OPTICAL INSTRUMENTS AND LENSES								
1967 Census	7,847	64	2,084	3.12	.32	.72	13,654	57	10.28
1966 ASM	7,555	62	2,102	3.09	.36	.75	12,933	58	9.93
1965 ASM	7,441	65	2,119	3.03	.32	.72	13,117	57	9.52
1964 ASM	6,870	65	2,005	2.95	.32	.73	11,686	59	8.98
1963 Census	6,636	70	2,014	2.82	.34	.74	11,063	60	7.89
1962 ASM	7,095	71	2,047	2.81	.35	.79	10,071	70	6.96
1961 ASM	6,498	69	1,968	2.73	.37	.86	8,340	78	6.15
1960 ASM	6,359	71	2,031	2.63	.40	.81	9,875	64	6.83
1959 ASM	5,819	75	2,103	2.30	.42	.79	9,348	62	5.92
1958 Census	5,232	72	2,039	2.24	.41	.78	8,406	62	5.76
	INDUSTRY 3841.--SURGICAL AND MEDICAL INSTRUMENTS								
1967 Census	6,145	74	2,004	2.54	.40	.70	13,562	47	9.07
1966 ASM	6,158	76	2,004	2.40	.39	.69	12,980	47	8.52
1965 ASM	5,812	74	1,981	2.34	.38	.68	12,238	47	8.38
1964 ASM	5,653	75	1,980	2.31	.44	.72	11,286	50	7.55
1963 Census	5,502	76	1,986	2.29	.45	.74	11,129	49	7.36
1962 ASM	5,415	74	1,976	2.24	.43	.74	10,441	52	7.09
1961 ASM	5,250	76	1,976	2.21	.41	.75	9,110	58	6.09
1960 ASM	4,999	76	1,998	2.09	.40	.77	8,321	60	5.50
1959 ASM	4,922	75	2,010	2.04	.41	.76	8,233	60	5.46
1958 Census	4,360	78	2,005	1.92	.38	.72	8,273	53	5.27
	INDUSTRY 3842.--SURGICAL APPLIANCES AND SUPPLIES								
1967 Census	6,253	70	1,953	2.62	.39	.65	14,963	42	10,99
1966 ASM	5,951	68	2,000	2.25	.41	.68	13,485	44	9.85
1965 ASM	6,125	68	1,985	2.40	.40	.68	13,253	46	9.88
1964 ASM	5,937	67	2,012	2.32	.40	.67	13,385	44	9.92
1963 Census	5,724	67	1,996	2.26	.39	.66	13,099	44	9.77
1962 ASM	6,090	61	1,994	2.24	.40	.70	12,669	48	10.43
1961 ASM	5,920	61	2,040	2.11	.41	.70	12,815	46	10.23
1960 ASM	5,833	63	2,006	2.10	.40	.67	13,535	43	10.68
1959 ASM	5,612	66	2,029	2.00	.40	.67	12,536	45	9.31
1958 Census	4,751	67	1,933	1.97	.43	.68	10,656	45	8.19

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3843.--DENTAL EQUIPMENT AND SUPPLIES								
1967 Census	6,566	72	1,973	2.67	.36	.67	13,678	48	9.66
1966 ASM	6,393	69	2,015	2.67	.36	.65	13,732	47	9.81
1965 ASM	6,097	72	1,907	2.60	.36	.65	13,668	45	9.91
1964 ASM	5,921	70	2,013	2.44	.37	.67	12,964	46	9.15
1963 Census	5,754	72	1,949	2.42	.36	.67	11,973	48	8.55
1962 ASM	5,365	70	1,951	2.27	.37	.65	12,087	44	8.82
1961 ASM	5,152	71	1,923	2.21	.39	.70	10,326	50	7.59
1960 ASM	5,059	72	1,907	2.25	.38	.69	10,565	48	7.70
1959 ASM	5,017	72	1,952	2.16	.37	.68	10,355	48	7.34
1958 Census	4,802	72	1,949	2.07	.39	.69	9,883	49	7.03
	INDUSTRY 3851.--OPHTHALMIC GOODS								
1967 Census	5,603	81	1,982	2.51	.34	.67	11,194	50	6.96
1966 ASM	5,271	82	2,021	2.35	.34	.69	10,291	51	6.20
1965 ASM	5,033	81	2,033	2.19	.33	.69	9,617	52	5.82
1964 ASM	4,987	81	2,037	2.20	.35	.69	9,401	53	5.69
1963 Census	4,748	81	1,990	2.10	.35	.71	8,765	54	5.43
1962 ASM	4,450	84	2,001	1.98	.34	.73	7,591	59	4.50
1961 ASM	4,342	83	1,984	1.93	.33	.72	7,660	57	4.65
1960 ASM	4,077	83	1,967	1.87	.33	.70	7,397	55	4.53
1959 ASM	4,050	84	1,976	1.83	.33	.70	7,508	54	4.52
1958 Census	3,922	84	1,964	1.78	.32	.69	7,501	52	4.56

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3811-- ENGINNEER'G, SCIENTIFIC INSTRUMENTS													
UNITED STATES	677	282	46.1	327.1	31.4	64.0	191.2	617.4	405.5	1 000.8	21.8	33.1	358.6
NORTHEAST REGION	274	112	11.9	82.9	8.4	17.0	49.6	156.7	106.5	258.3	6.9	11.3	123.8
NEW ENGLAND DIVISION	97	37	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	34.7
MAINE	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW HAMPSHIRE	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	56	20	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7	27.1
RHODE ISLAND	8	3	.2	1.3	.1	.3	.8	2.4	1.0	3.3	.1	[2](D)	[2](D)
CONNECTICUT	24	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.8
MIDDLE ATLANTIC DIVISION	177	75	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.9	89.1
NEW YORK	80	32	2.8	20.0	2.0	3.9	11.3	39.4	27.6	65.9	(D)	4.9	56.6
NEW JERSEY	50	22	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	20.2
PENNSYLVANIA	47	21	2.3	15.4	1.6	3.4	9.2	33.2	23.3	54.9	2.2	1.0	12.2
NORTH CENTRAL REGION	148	62	16.6	118.8	11.4	23.0	73.4	213.4	136.5	337.8	6.8	11.6	121.4
EAST NORTH CENTRAL DIVISION	115	49	13.4	95.7	9.5	18.9	61.9	175.1	117.2	282.0	4.5	(D)	(D)
OHIO	26	10	.8	4.5	.5	1.0	2.6	9.9	6.0	15.7	.2	.3	2.3
INDIANA	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	48	20	4.0	26.3	2.6	4.8	14.8	58.4	41.3	94.9	1.8	3.0	36.7
MICHIGAN	22	11	6.0	47.9	4.6	8.8	34.1	77.4	50.0	123.5	1.8	4.5	50.9
WISCONSIN	10	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	33	13	3.2	23.1	1.9	4.1	11.6	38.2	19.3	55.8	2.3	(D)	(D)
MINNESOTA	7	5	1.0	7.8	.6	1.4	3.9	14.3	8.0	22.0	1.3	[2](D)	[2](D)
IOWA	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	11	3	.3	1.8	.2	.4	1.1	3.0	1.6	4.5	.1	[2](D)	[2](D)
KANSAS	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	117	50	7.8	47.6	5.5	11.2	28.4	90.9	69.5	155.6	4.0	5.0	45.4
SOUTH ATLANTIC DIVISION	58	27	3.9	22.4	2.8	5.4	13.5	47.0	37.3	82.1	1.6	2.9	27.6
DELAWARE	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MARYLAND	16	9	1.0	7.0	.6	1.3	4.0	9.9	8.5	17.9	.2	.8	7.4
VIRGINIA	9	4	.7	4.2	.5	1.0	2.5	8.5	9.7	17.7	.2	[2](D)	[2](D)
WEST VIRGINIA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	6	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	17	7	.6	3.0	.4	.8	2.1	8.7	3.1	11.2	.3	.3	2.3
EAST SOUTH CENTRAL DIVISION	8	5	.6	2.8	.5	1.0	1.9	7.0	4.3	11.2	.8	.2	1.4
TENNESSEE	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	51	18	3.3	22.4	2.3	4.7	12.9	36.8	27.8	62.4	1.6	1.9	16.4
OKLAHOMA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	44	14	2.8	18.8	1.9	3.9	10.9	31.8	25.0	54.9	1.4	1.7	13.2
WEST REGION	138	58	9.9	77.8	6.2	12.8	39.8	156.4	93.0	249.0	4.1	5.2	68.0
MOUNTAIN DIVISION	16	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	29.0
COLORADO	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ARIZONA	7	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	122	53	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	39.0
CALIFORNIA	117	50	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	37.8
3821-- MECHANICAL MEASURING DEVICES													
UNITED STATES	661	285	72.9	520.8	45.9	89.9	268.9	972.0	497.3	1 455.1	45.1	62.4	732.5
NORTHEAST REGION	274	132	44.6	326.4	27.9	54.5	166.3	571.4	296.6	861.6	27.9	35.4	421.9
NEW ENGLAND DIVISION	89	41	19.5	140.3	11.5	22.6	63.5	234.6	117.7	348.1	12.0	14.6	163.9
VERMONT	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	42	17	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
RHODE ISLAND	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	36	19	6.1	43.3	3.9	7.8	22.5	71.6	37.9	110.0	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	185	91	25.1	186.1	16.4	31.8	102.8	336.8	178.9	513.5	15.8	20.8	258.0
NEW YORK	86	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW JERSEY	48	21	2.2	15.1	1.4	2.7	8.0	28.3	15.4	43.3	.6	[2](D)	[2](D)
PENNSYLVANIA	51	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	11.5	159.0
NORTH CENTRAL REGION	174	72	18.4	126.4	11.2	22.1	63.9	258.1	129.9	384.4	11.5	19.9	235.7
EAST NORTH CENTRAL DIVISION	154	67	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	18.9	222.7
OHIO	40	20	5.1	36.3	2.3	4.6	13.0	60.9	33.3	92.3	1.6	4.9	46.8
INDIANA	15	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	52	23	8.4	55.6	5.6	10.8	30.4	126.1	58.8	183.6	6.6	6.7	86.3
MICHIGAN	31	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	16	8	1.3	10.1	.7	1.4	4.6	20.5	9.2	29.0	1.8	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	20	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	13.0
IOWA	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	6	3	.2	.9	.1	.2	.6	1.5	.8	2.3	(Z)	.1	1.0
NEBRASKA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3821-- MECHANICAL MEASURING DEVICES--CONTINUED													
SOUTH REGION	90	35	4.0	22.5	2.9	5.1	13.8	51.6	31.2	80.0	2.8	(D)	(D)
SOUTH ATLANTIC DIVISION	30	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	8	4	.3	1.8	.1	.3	.8	1.7	1.6	3.9	.2	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION[e]	13	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE[e]	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	47	21	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OKLAHOMA	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.1
TEXAS	34	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.4
WEST REGION	123	46	6.0	45.5	3.9	8.2	25.0	90.9	39.5	129.1	3.0	[2](D)	[2](D)
MOUNTAIN DIVISION	18	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	6	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW MEXICO	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	105	40	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OREGON	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	99	38	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3822-- AUTOMATIC TEMPERATURE CONTROLS													
UNITED STATES	105	54	31.4	210.8	22.6	45.2	131.1	419.7	193.9	618.0	13.2	31.7	379.1
NORTHEAST REGION	33	14	3.9	24.9	2.9	5.8	16.4	42.1	19.7	61.6	.9	5.3	51.7
NEW ENGLAND DIVISION	8	3	.8	4.9	.5	.9	2.7	8.3	3.3	11.2	.3	2.6	26.0
CONNECTICUT	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	25	11	3.1	20.1	2.4	4.8	13.7	33.8	16.4	50.4	.6	2.6	25.7
NEW YORK[e]	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.3
NEW JERSEY	10	5	.8	5.1	.6	1.2	3.4	8.4	4.5	13.1	.3	[2](D)	[2](D)
PENNSYLVANIA	9	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	41	26	22.3	152.1	15.6	31.0	91.3	317.9	147.8	469.6	9.8	20.0	258.4
EAST NORTH CENTRAL DIVISION	35	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	12.8	157.0
OHIO	13	8	3.5	23.3	2.8	6.0	15.9	39.1	15.5	53.6	1.0	3.0	31.1
INDIANA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	9	5	6.9	47.3	4.5	8.7	26.1	110.2	39.1	152.1	2.7	5.6	76.6
MICHIGAN	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	4	4	3.1	20.9	1.9	4.0	11.3	34.6	27.2	63.1	1.6	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	6	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7.2	101.5
MINNESOTA	3	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	15	6	1.1	5.6	.9	1.8	4.2	9.9	4.9	14.7	.4	(D)	(D)
SOUTH ATLANTIC DIVISION	8	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	6	2	.2	.8	.2	.3	.6	1.5	.7	2.2	(Z)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	16	8	4.1	28.1	3.2	6.5	19.2	49.8	21.5	72.1	2.1	(D)	(D)
PACIFIC DIVISION	14	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	14	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3831-- OPTICAL INSTRUMENTS AND LENSES													
UNITED STATES	303	109	20.8	163.0	13.2	27.6	86.1	283.7	130.3	406.9	15.8	11.9	131.9
NORTHEAST REGION	152	60	10.9	92.2	7.1	14.5	49.6	155.0	70.3	221.6	6.7	7.6	84.3
NEW ENGLAND DIVISION	37	17	6.3	58.2	3.6	7.3	27.1	98.4	39.2	136.2	5.0	3.6	47.2
NEW HAMPSHIRE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MASSACHUSETTS	26	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	9	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	115	43	4.7	34.0	3.5	7.2	22.5	56.6	31.1	85.5	1.7	4.0	37.1
NEW YORK[e]	67	27	3.7	27.8	2.8	5.7	18.4	46.3	25.1	69.0	1.4	3.1	28.2
NEW JERSEY[e]	23	4	.2	1.8	.2	.3	1.0	3.6	2.1	5.6	.1	.2	1.7
PENNSYLVANIA	25	12	.7	4.4	.6	1.1	3.1	6.7	3.9	10.8	.2	.7	7.3
NORTH CENTRAL REGION	46	12	1.4	9.8	1.0	1.9	5.7	18.8	9.1	26.8	2.1	1.4	13.3
EAST NORTH CENTRAL DIVISION	37	12	1.4	9.5	1.0	1.8	5.5	18.1	8.8	25.8	2.1	1.1	10.4
ILLINOIS	18	7	.8	5.4	.5	1.0	2.8	10.3	5.2	15.1	.7	[2] .7	[2] 7.1
MICHIGAN	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3831-- OPTICAL INSTRUMENTS AND LENSES--CONTINUED													
SOUTH REGION	26	9	1.5	7.2	1.2	2.5	5.2	19.2	6.6	24.9	1.0	.8	8.5
SOUTH ATLANTIC DIVISION[6]	18	4	.3	1.8	.2	.4	1.2	3.1	1.4	4.5	.2	(D)	(D)
MARYLAND[6]	8	3	.2	1.3	.1	.3	.9	2.6	.9	3.4	.2	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	79	28	6.9	53.8	3.9	8.7	25.5	90.7	44.4	133.7	5.9	2.1	25.8
PACIFIC DIVISION	74	28	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.1	25.7
CALIFORNIA	67	27	6.8	53.3	3.9	8.6	25.2	90.0	44.0	132.5	(D)	2.0	25.0
3841-- SURGICAL AND MEDICAL INSTRUMENTS													
UNITED STATES	321	138	22.0	139.6	16.4	32.8	83.5	297.4	192.1	475.4	18.5	15.1	168.6
NORTHEAST REGION	135	67	10.8	73.1	8.0	15.9	40.4	134.0	100.2	227.3	8.2	7.2	63.3
NEW ENGLAND DIVISION	43	24	3.6	21.4	2.7	5.4	12.9	42.9	29.9	71.2	2.9	2.0	20.6
MASSACHUSETTS	28	14	1.5	10.3	1.0	1.8	4.1	19.5	15.0	33.8	1.4	.6	7.4
CONNECTICUT	12	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	92	43	7.2	51.6	5.3	10.5	27.5	91.1	70.3	156.1	5.3	5.3	42.7
NEW YORK	54	26	3.3	22.7	2.5	5.1	14.4	53.6	34.4	85.7	2.9	2.5	22.3
NEW JERSEY	22	6	3.0	23.5	2.0	3.9	9.5	28.2	28.6	54.2	2.0	[2](D)	[2](D)
PENNSYLVANIA	16	11	.9	5.5	.7	1.4	3.6	9.3	7.3	16.1	.3	.6	5.0
NORTH CENTRAL REGION	87	40	5.3	32.2	4.2	8.4	22.2	83.5	51.6	131.1	5.7	4.7	54.6
EAST NORTH CENTRAL DIVISION	65	32	3.4	21.3	2.5	5.2	14.2	50.1	32.4	79.4	2.0	2.9	32.0
OHIO	16	9	.7	3.6	.5	1.1	2.4	7.6	4.4	11.8	.5	.6	6.3
INDIANA	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	8.3
ILLINOIS	24	13	1.1	7.7	.7	1.5	4.7	12.8	9.8	22.6	.6	1.2	10.1
MICHIGAN	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	8	5	1.0	6.4	.8	1.7	4.6	15.0	10.4	24.5	.3	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	22	8	1.9	10.9	1.6	3.2	8.0	33.5	19.1	51.8	3.7	1.7	22.6
MISSOURI	9	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEBRASKA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	41	14	2.7	13.2	2.1	4.3	9.0	33.7	16.7	48.8	2.0	1.1	16.9
SOUTH ATLANTIC DIVISION	27	10	1.6	8.4	1.3	2.6	5.6	20.6	10.8	30.3	(D)	.6	12.9
MARYLAND	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	7	4	1.1	4.8	.8	1.6	3.2	12.9	5.7	18.1	(D)	.4	3.8
TENNESSEE	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	58	17	3.2	21.1	2.1	4.2	11.9	46.1	23.7	68.1	2.5	2.2	33.8
PACIFIC DIVISION	52	16	3.1	20.8	2.0	4.1	11.7	45.5	23.2	67.1	2.5	2.1	33.5
WASHINGTON	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	43	13	2.8	18.9	1.9	3.9	10.9	43.6	22.4	64.3	2.5	2.1	33.4
3842-- SURGICAL APPLIANCES AND SUPPLIES													
UNITED STATES	811	211	35.2	220.3	24.6	48.0	125.7	527.2	324.5	837.9	30.5	28.3	370.3
NORTHEAST REGION	258	79	16.1	107.0	10.7	21.0	59.4	249.7	141.3	386.0	9.1	15.0	200.5
NEW ENGLAND DIVISION	61	26	3.9	20.9	3.0	5.7	14.1	41.0	26.6	67.7	1.5	4.0	34.6
MASSACHUSETTS	28	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
RHODE ISLAND	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	18	13	2.1	11.3	1.5	2.7	6.8	24.8	14.4	38.5	.8	2.0	18.5
MIDDLE ATLANTIC DIVISION	197	53	12.2	86.1	7.7	15.3	45.3	208.7	114.7	318.2	7.6	11.0	165.9
NEW YORK	114	24	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.9	37.0
NEW JERSEY	31	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	52	16	4.4	29.3	2.6	5.2	15.0	60.7	43.7	103.8	2.1	[2](D)	[2](D)
NORTH CENTRAL REGION	245	76	10.0	63.7	6.8	13.2	36.3	162.5	96.7	254.3	10.1	7.7	119.9
EAST NORTH CENTRAL DIVISION	179	58	8.6	55.5	5.9	11.4	31.8	146.0	85.3	226.4	(D)	6.4	108.9
OHIO	49	18	1.5	8.7	1.1	2.0	5.0	15.9	10.5	25.5	.4	1.1	10.9
INDIANA	14	5	.5	2.6	.3	.7	1.6	6.2	6.2	12.2	.4	[2](D)	[2](D)
ILLINOIS	61	19	4.9	34.3	3.2	6.3	19.6	103.1	49.2	149.5	8.0	3.9	82 9
MICHIGAN	33	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	6.7
WISCONSIN	22	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	8.2
WEST NORTH CENTRAL DIVISION	66	18	1.4	8.2	.9	1.8	4.5	16.5	11.4	27.9	(D)	1.4	11.0
MINNESOTA	20	8	.6	3.9	.4	.7	1.8	9.2	5.3	14.3	(D)	.6	5.4
MISSOURI	22	7	.6	3.3	.4	.9	2.0	5.5	4.9	10.5	.2	.6	4.4

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3842-- SURGICAL APPLIANCES AND SUPPLIES --CONTINUED													
SOUTH REGION	162	25	6.0	28.9	4.7	9.6	18.8	70.7	56.1	123.5	9.6	3.4	27.7
SOUTH ATLANTIC DIVISION	87	13	3.0	16.3	2.3	4.8	10.1	34.2	28.5	61.5	4.9	(D)	(D)
DELAWARE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	16	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	5	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	29	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	31	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	11	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	12	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	44	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	32	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	146	31	3.1	20.7	2.3	4.2	11.2	44.4	30.4	74.1	1.8	2.1	22.2
MOUNTAIN DIVISION	27	6	.4	2.5	.3	.5	1.1	6.0	4.8	10.7	.3	.3	2.1
COLORADO	13	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	119	25	2.7	18.2	2.0	3.7	10.1	38.4	25.6	63.4	1.5	1.8	20.1
CALIFORNIA	107	24	2.7	17.7	1.9	3.6	9.7	37.3	25.0	61.8	(D)	1.8	19.6
3843-- DENTAL EQUIPMENT AND SUPPLIES													
UNITED STATES	334	76	10.2	67.4	7.3	14.3	38.3	141.0	82.8	220.5	4.5	8.0	95.9
NORTHEAST REGION	131	38	5.7	36.8	4.2	8.3	22.1	75.9	48.9	123.3	2.5	4.6	56.4
NEW ENGLAND DIVISION	16	3	.7	4.4	.5	.9	2.0	7.7	6.8	14.4	.2	.7	5.3
MASSACHUSETTS	11	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	115	35	5.0	32.5	3.7	7.4	20.1	68.2	42.1	108.9	2.3	3.9	51.2
NEW YORK	68	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	29.6
NEW JERSEY	13	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	34	16	2.1	11.0	1.7	3.5	7.9	25.9	8.6	34.3	1.0	[2](D)	[2](D)
NORTH CENTRAL REGION	78	22	2.5	17.3	1.8	3.5	9.5	35.2	18.7	53.1	1.3	1.7	20.5
EAST NORTH CENTRAL DIVISION	61	19	2.3	15.3	1.6	3.3	8.9	31.7	16.0	46.9	(D)	1.6	19.0
OHIO	14	5	.8	4.4	.5	1.0	2.8	8.7	4.7	12.9	.5	.6	6.2
ILLINOIS	31	12	1.1	7.6	.8	1.5	4.1	16.2	7.7	23.1	.3	.7	8.5
MICHIGAN	9	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	17	3	.2	1.9	.1	.2	.6	3.6	2.6	6.2	(D)	.1	1.5
SOUTH REGION	36	4	.6	4.4	.4	.9	2.0	11.0	5.6	16.3	.2	.7	7.7
SOUTH ATLANTIC DIVISION	18	3	.5	3.7	.4	.7	1.6	9.6	4.9	14.3	(D)	(D)	(D)
DELAWARE	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	89	12	1.4	8.9	.9	1.7	4.6	18.9	9.6	27.8	.4	1.0	11.3
MOUNTAIN DIVISION	18	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.7
COLORADO	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.3
PACIFIC DIVISION	71	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	7.6
CALIFORNIA	65	7	.9	6.4	.6	1.1	3.2	13.6	6.9	20.2	(D)	.5	6.2
3851-- OPHTHALMIC GOODS													
UNITED STATES	461	142	25.6	143.4	20.7	41.1	103.4	286.4	144.1	426.0	14.5	20.3	177.9
NORTHEAST REGION	209	76	17.9	103.8	14.6	28.6	75.0	205.4	92.5	292.0	12.3	15.4	138.2
NEW ENGLAND DIVISION	51	23	6.4	34.6	5.5	10.4	26.1	93.6	38.3	130.3	4.9	5.6	58.6
VERMONT	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	30	14	4.8	26.1	4.1	7.8	20.1	72.6	29.2	100.6	4.5	[2](D)	[2](D)
RHODE ISLAND	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	5.9
CONNECTICUT	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	158	53	11.5	69.2	9.1	18.2	48.8	111.8	54.2	161.7	7.4	9.7	79.6
NEW YORK	102	34	9.1	55.7	7.1	14.1	39.2	85.9	37.6	119.4	6.6	7.7	61.5
NEW JERSEY	26	10	.9	4.7	.7	1.5	3.3	8.8	5.3	14.0	.2	.7	7.3
PENNSYLVANIA	30	9	1.5	8.8	1.2	2.6	6.3	17.2	11.3	28.3	.6	1.3	10.8
NORTH CENTRAL REGION	115	33	3.2	17.9	2.6	5.5	13.0	31.8	18.7	51.6	.8	2.0	17.1
EAST NORTH CENTRAL DIVISION	76	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	10.5
OHIO	22	4	.3	1.3	.2	.4	1.1	2.3	2.0	4.3	(Z)	.2	1.5
INDIANA	7	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	29	7	.9	5.7	.7	1.6	4.2	8.4	5.6	13.9	.2	.5	3.9
												.9	6.7
WEST NORTH CENTRAL DIVISION	39	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	6.7
MINNESOTA	13	7	.6	3.1	.5	1.1	2.1	10.4	3.0	13.3	.1	.4	3.2
MISSOURI	15	7	.7	3.1	.6	1.4	2.5	4.1	4.2	8.5	(D)	.5	3.2

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3851-- OPHTHALMIC GOODS--CONTINUED													
SOUTH REGION	75	19	3.4	16.4	2.7	5.6	11.1	39.5	25.8	65.5	1.0	2.7	20.5
SOUTH ATLANTIC DIVISION	27	11	2.8	13.3	2.2	4.5	8.8	33.3	20.0	53.6	(D)	2.4	17.5
MARYLAND	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	10	6	.8	4.4	.5	1.0	2.0	11.3	10.5	21.9	.1	.6	5.9
WEST SOUTH CENTRAL DIVISION	35	7	.6	2.6	.5	.9	2.0	5.3	5.1	10.4	(D)	(D)	(D)
TEXAS	22	7	.5	2.3	.4	.8	1.7	4.6	4.8	9.4	.1	[2](D)	[2](D)
WEST REGION	62	14	.9	5.3	.8	1.5	4.4	9.6	7.2	16.8	.4	.2	2.1
MOUNTAIN DIVISION	13	3	.2	.9	.1	.2	.8	1.4	1.4	2.8	(D)	(Z)	.1
PACIFIC DIVISION	49	11	.8	4.4	.6	1.3	3.6	8.2	5.8	14.0	(D)	.2	2.0
CALIFORNIA	35	7	.5	3.0	.5	.9	2.4	5.6	3.2	8.8	.3	[2](D)	[2](D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Engineering and scientific instruments (SIC 3811)	Mechanical measuring instruments (SIC 3821)	Automatic temperature controls (SIC 3822)	Optical instruments and lenses (SIC 3831)	Surgical and medical instruments (SIC 3841)	Surgical appliances and supplies (SIC 3842)	Dental equipment and supplies (SIC 3843)	Ophthalmic goods (SIC 3851)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.88	.86	.81	.87	.91	.80	.94	.88
COVERAGE RATIO[2]	.73	.82	.91	.74	.69	.86	.94	.95
ESTABLISHMENTS, TOTAL .NUMBER	677	661	105	303	321	811	334	461
WITH 1 TO 19 EMPLOYEES .DO	395	376	51	194	183	600	258	319
WITH 20 TO 99 EMPLOYEES .DO	186	160	19	68	80	149	49	98
WITH 100 EMPLOYEES OR MORE .DO	96	125	35	41	58	62	27	44
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	46.1	72.9	31.4	20.8	22.0	35.2	10.2	25.6
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	327.1	520.8	210.8	163.0	139.6	220.3	67.4	143.4
PRODUCTION WORKERS:								
AVERAGE FOR YEAR 1,000	31.4	45.9	22.6	13.2	16.4	24.6	7.3	20.7
MARCH .DO	30.9	46.7	22.1	13.0	15.8	24.4	7.1	20.8
MAY .DO	31.1	46.2	22.1	13.0	16.2	24.8	7.2	21.1
AUGUST .DO	32.1	45.4	22.9	13.5	16.8	24.5	7.2	20.5
NOVEMBER .DO	31.6	45.4	23.5	13.5	16.8	24.6	7.4	20.6
MAN-HOURS .MILLIONS	64.0	89.9	45.2	27.6	32.8	48.0	14.3	41.1
JANUARY-MARCH .DO	16.1	23.1	11.5	6.9	8.0	12.0	3.6	10.6
APRIL-JUNE .DO	15.6	23.3	11.1	6.9	8.3	12.4	3.6	10.6
JULY-SEPTEMBER .DO	16.0	21.1	10.8	6.8	8.1	11.3	3.5	9.5
OCTOBER-DECEMBER .DO	16.1	22.5	11.8	7.0	8.4	12.3	3.6	10.5
WAGES MILLION DOLLARS	191.2	268.9	131.1	86.1	83.5	125.7	38.3	103.4
COST OF MATERIALS, ETC., TOTAL .DO	405.5	497.3	193.9	130.3	192.1	324.5	82.8	144.1
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	340.8	436.3	173.6	109.8	151.9	266.5	69.0	130.5
COST OF RESALES .DO	36.7	39.9	12.3	10.2	33.0	47.6	10.3	8.0
FUELS CONSUMED .DO	3.4	2.3	1.1	.5	.7	1.6	.4	1.3
PURCHASED ELECTRIC ENERGY .DO	4.2	5.9	2.7	1.7	2.0	3.0	.7	2.3
CONTRACT WORK .DO	20.2	12.9	4.2	8.2	4.6	5.7	2.3	2.1
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	1 000.8	1 455.1	618.0	406.9	475.4	837.9	220.5	426.0
VALUE OF RESALES .DO	65.7	55.8	20.2	13.3	50.6	74.0	15.5	11.2
VALUE ADDED BY MANUFACTURE .DO	617.4	972.0	419.7	283.7	297.4	527.2	141.0	286.4
MANUFACTURERS' INVENTORIES:								
BEGINNING OF YEAR, TOTAL .DO	189.7	371.9	133.1	85.0	83.2	138.7	40.5	94.4
FINISHED PRODUCTS .DO	32.0	66.7	35.8	22.6	33.7	45.0	13.7	39.1
WORK IN PROCESS .DO	108.5	184.1	68.2	47.5	24.1	45.7	18.5	36.1
MATERIALS, SUPPLIES, FUEL, ETC. .DO	49.3	121.1	29.0	15.0	25.4	48.0	8.4	19.3
END OF YEAR, TOTAL .DO	218.6	390.0	124.6	91.9	101.6	154.0	45.9	97.8
FINISHED PRODUCTS .DO	42.4	78.4	30.6	27.3	41.2	53.1	14.0	40.1
WORK IN PROCESS .DO	120.1	186.7	69.0	49.8	30.7	51.5	21.4	39.6
MATERIALS, SUPPLIES, FUEL, ETC. .DO	56.1	124.9	25.0	14.8	29.7	49.4	10.4	18.1
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	23.2	46.8	13.3	16.4	19.0	31.2	4.8	15.0
NEW PLANT AND EQUIPMENT, TOTAL .DO	21.8	45.1	13.2	15.8	18.5	30.5	4.5	14.5
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	6.8	17.2	1.7	5.1	8.2	10.6	1.2	2.8
NEW MACHINERY AND EQUIPMENT .DO	14.9	27.9	11.4	10.8	10.3	19.9	3.3	11.7
USED PLANT AND EQUIPMENT .DO	1.3	1.5	.1	.5	.4	.5	.2	.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primay products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3811-- ENGINEER'G, SCIENTIFIC INSTRUMENTS											
ESTABLISHMENTS, TOTAL	677	46.1	327.1	31.4	64.0	191.2	617.4	405.5	1 000.8	21.8	218.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	217	.4	2.1	.4	.5	1.5	5.6	3.2	8.8	[2].3	1.4
5 TO 9 EMPLOYEES	84	.6	4.2	.5	.8	2.6	8.7	4.7	13.2	.4	2.0
10 TO 19 EMPLOYEES	94	1.3	9.2	.9	2.0	5.6	16.6	9.4	25.8	1.0	4.0
20 TO 49 EMPLOYEES	113	3.6	23.7	2.6	5.0	14.5	42.1	27.9	68.4	1.9	12.4
50 TO 99 EMPLOYEES	73	5.2	35.3	3.6	7.3	20.8	65.3	49.8	112.4	2.1	21.6
100 TO 249 EMPLOYEES	57	8.6	59.4	5.8	11.7	32.3	112.7	79.5	188.7	4.5	35.4
250 TO 499 EMPLOYEES	23	8.1	56.5	5.5	11.2	32.9	104.9	77.6	176.4	4.6	43.2
500 TO 999 EMPLOYEES	10	6.3	43.1	4.4	9.6	27.7	79.8	51.5	128.6	3.3	32.2
1,000 TO 2,499 EMPLOYEES	4	12.1	93.7	7.6	15.9	53.5	181.4	101.9	278.3	3.7	66.4
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS [1e]	202	.5	2.7	.5	.7	1.9	6.1	3.3	9.4	.2	1.7
3821-- MECHANICAL MEASURING DEVICES											
ESTABLISHMENTS, TOTAL	661	72.9	520.8	45.9	89.9	268.9	972.0	497.3	1 455.1	45.1	390.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	213	.3	2.0	.3	.5	1.5	4.7	2.7	7.4	.1	1.4
5 TO 9 EMPLOYEES [e]	71	.5	3.3	.4	.7	2.2	6.1	3.6	9.7	.3	1.4
10 TO 19 EMPLOYEES	92	1.3	8.7	.9	1.7	5.3	23.5	14.1	36.2	.9	6.0
20 TO 49 EMPLOYEES	111	3.5	24.0	2.5	4.7	14.5	58.3	31.7	87.3	2.6	14.2
50 TO 99 EMPLOYEES	49	3.3	21.0	2.2	4.4	12.2	36.9	21.0	57.9	1.2	11.5
100 TO 249 EMPLOYEES	68	10.7	73.2	7.0	14.1	38.8	146.5	86.5	231.7	5.3	53.5
250 TO 499 EMPLOYEES	24	8.2	59.6	5.2	10.1	28.7	112.2	67.2	181.2	6.5	44.9
500 TO 999 EMPLOYEES	18	12.4	89.0	7.2	14.3	42.0	196.1	92.5	280.3	7.0	69.4
1,000 TO 2,499 EMPLOYEES	11	17.3	128.7	11.4	22.3	74.1	225.8	106.2	330.1	13.1	111.8
2,500 EMPLOYEES OR MORE	4	15.4	111.3	8.8	17.0	49.7	161.9	71.7	233.3	8.1	75.9
ESTABS. COVERED BY ADMIN.RECORDS [1e]	224	.5	2.9	.5	.8	2.2	6.4	3.7	10.1	.2	1.9
3822-- AUTOMATIC TEMPERATURE CONTROLS											
ESTABLISHMENTS, TOTAL	105	31.4	210.8	22.6	45.2	131.1	419.7	193.9	618.0	13.2	124.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	22	(Z)	.3	(Z)	(Z)	.1	.7	.3	1.0	(Z)	.2
5 TO 9 EMPLOYEES	11	.1	.4	.1	.1	.3	.8	.5	1.2	(D)	.3
10 TO 19 EMPLOYEES	18	.2	1.6	.2	.3	.9	2.9	2.0	4.9	.1	.7
20 TO 49 EMPLOYEES	8	.2	1.2	.2	.3	.9	1.8	.7	2.7	(Z)	.4
50 TO 99 EMPLOYEES	11	.8	4.5	.6	1.2	2.8	9.7	5.1	14.6	.2	2.7
100 TO 249 EMPLOYEES	9	1.4	8.0	1.2	2.3	6.0	21.9	12.7	35.8	.4	5.9
250 TO 499 EMPLOYEES	3	1.2	7.8	.8	1.7	5.0	27.0	6.6	32.8	1.0	5.2
500 TO 999 EMPLOYEES	13	8.7	56.0	6.8	14.3	38.3	97.4	48.6	145.9	4.0	30.6
1,000 TO 2,499 EMPLOYEES	8	18.8	130.9	12.8	24.9	76.8	257.4	117.3	379.2	7.5	78.8
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS [1e]	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3831-- OPTICAL INSTRUMENTS AND LENSES											
ESTABLISHMENTS, TOTAL	303	20.8	163.0	13.2	27.6	86.1	283.7	130.3	406.9	15.8	91.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	104	.2	1.1	.2	.3	.8	2.8	1.3	4.1	.1	.6
5 TO 9 EMPLOYEES [e]	47	.3	2.0	.3	.5	1.5	4.0	1.9	5.8	.3	.7
10 TO 19 EMPLOYEES	43	.6	4.0	.5	1.0	2.8	7.6	4.3	11.8	.5	1.3
20 TO 49 EMPLOYEES	46	1.5	10.6	1.0	2.1	6.7	22.1	12.3	34.0	2.5	4.0
50 TO 99 EMPLOYEES	22	1.5	11.6	1.1	2.3	7.5	17.7	10.6	28.2	1.3	4.7
100 TO 249 EMPLOYEES	24	3.4	24.2	2.3	4.5	14.1	42.7	18.8	59.6	5.0	10.5
250 TO 499 EMPLOYEES	10	3.9	29.3	2.4	5.1	15.0	58.7	23.7	78.5	2.8	20.6
500 TO 999 EMPLOYEES	4	2.3	15.2	1.3	2.5	6.4	23.6	13.3	37.5	.8	9.9
1,000 TO 2,499 EMPLOYEES	1	7.2	65.0	4.2	9.3	31.2	104.4	44.1	147.4	2.6	39.4
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS [1e]	100	.2	1.3	.2	.3	1.0	3.3	1.5	4.9	.1	.8
3841-- SURGICAL AND MEDICAL INSTRUMENTS											
ESTABLISHMENTS, TOTAL	321	22.0	139.6	16.4	32.8	83.5	297.4	192.1	475.4	18.5	101.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	109	.2	1.1	.2	.3	.8	3.0	1.7	4.7	(Z)	.8
5 TO 9 EMPLOYEES [e]	34	.2	1.4	.2	.3	.9	2.8	2.2	5.0	.1	.8
10 TO 19 EMPLOYEES	40	.6	3.6	.4	.9	2.4	7.8	4.3	12.0	.8	1.5
20 TO 49 EMPLOYEES	56	1.8	10.7	1.4	2.6	6.9	18.2	13.5	31.5	1.0	4.3
50 TO 99 EMPLOYEES	24	1.6	8.3	1.3	2.6	5.6	14.3	11.3	26.3	3.6	5.4
100 TO 249 EMPLOYEES	33	5.3	31.8	3.8	7.7	18.9	63.6	44.7	103.8	3.6	26.6
250 TO 499 EMPLOYEES	17	5.8	35.9	4.2	8.7	22.4	88.7	48.0	131.6	4.5	27.7
500 TO 999 EMPLOYEES	7	6.6	46.8	4.8	9.7	25.7	99.1	66.4	160.6	4.7	34.5
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS [1e]	114	.3	1.4	.3	.4	1.0	3.3	2.3	5.5	(Z)	.9

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967–Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3842-- SURGICAL APPLIANCES AND SUPPLIES											
ESTABLISHMENTS, TOTAL	811	35.2	220.3	24.6	48.0	125.7	527.2	324.5	837.9	30.5	154.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	359	.6	3.5	.6	.9	2.0	8.4	4.8	13.2	.4	1.9
5 TO 9 EMPLOYEES [e]	136	.9	5.6	.7	1.3	3.3	10.8	6.2	17.0	.4	2.1
10 TO 19 EMPLOYEES	105	1.4	8.9	1.0	2.0	5.4	17.6	9.8	27.3	.9	3.0
20 TO 49 EMPLOYEES	100	3.0	16.8	2.3	4.5	10.4	34.1	23.7	57.2	1.6	7.4
50 TO 99 EMPLOYEES	49	3.5	19.6	2.7	5.1	11.7	40.1	29.0	68.0	1.3	12.2
100 TO 249 EMPLOYEES	30	4.8	27.2	3.6	6.9	16.2	56.8	48.5	103.2	1.9	18.7
250 TO 499 EMPLOYEES	17	5.8	35.3	4.0	7.8	19.5	76.6	41.1	114.8	2.1	19.7
500 TO 999 EMPLOYEES	8	5.0	30.2	3.4	6.8	17.5	69.7	54.9	121.8	9.0	27.3
1,000 TO 2,499 EMPLOYEES	7	10.1	73.2	6.1	12.9	39.5	213.2	106.5	315.5	12.9	61.7
ESTABS. COVERED BY ADMIN.RECORDS[1e]	369	.9	4.6	.9	1.3	2.5	10.4	5.9	16.3	.3	2.6
3843-- DENTAL EQUIPMENT AND SUPPLIES											
ESTABLISHMENTS, TOTAL	334	10.2	67.4	7.3	14.3	38.3	141.0	82.8	220.5	4.5	45.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	170	.3	1.4	.3	.4	.8	4.1	2.2	6.3	.1	.9
5 TO 9 EMPLOYEES [e]	50	.3	2.0	.3	.4	1.1	4.6	3.6	8.1	(D)	.9
10 TO 19 EMPLOYEES	38	.5	3.3	.4	.7	1.9	6.6	4.4	10.9	.3	1.3
20 TO 49 EMPLOYEES	33	1.0	6.3	.7	1.3	3.6	11.0	7.5	18.4	.3	1.9
50 TO 99 EMPLOYEES	16	1.2	8.7	.7	1.5	4.0	19.8	17.8	37.2	.7	6.7
100 TO 249 EMPLOYEES	17	2.5	16.3	1.7	3.4	8.7	30.3	15.7	45.6	.8	9.0
250 TO 499 EMPLOYEES	7	2.1	14.4	1.5	3.0	8.2	32.0	16.5	47.4	.7	9.6
500 TO 999 EMPLOYEES	3	2.3	15.1	1.8	3.7	10.1	32.6	15.1	46.5	1.6	15.6
ESTABS. COVERED BY ADMIN.RECORDS[1e]	176	.4	1.9	.4	.5	1.1	5.1	2.7	7.7	(Z)	1.2
3851-- OPHTHALMIC GOODS											
ESTABLISHMENTS, TOTAL	461	25.6	143.4	20.7	41.1	103.4	286.4	144.1	426.0	14.5	97.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	184	.3	1.6	.3	.5	1.2	3.6	2.1	5.8	(Z)	.8
5 TO 9 EMPLOYEES [e]	68	.5	2.6	.4	.7	2.0	4.6	2.7	7.2	.1	.9
10 TO 19 EMPLOYEES	67	.9	5.5	.7	1.5	3.9	9.2	6.3	15.5	.3	1.5
20 TO 49 EMPLOYEES	62	1.9	10.4	1.5	3.1	7.8	17.0	13.3	29.9	.7	2.9
50 TO 99 EMPLOYEES	36	2.6	12.7	2.1	4.3	9.1	22.2	16.0	37.9	.7	5.2
100 TO 249 EMPLOYEES	25	3.7	17.8	3.1	6.2	13.2	39.7	25.1	64.5	1.0	10.7
250 TO 499 EMPLOYEES	16	15.6	92.6	12.5	24.8	66.3	190.1	78.7	265.3	11.7	75.7
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1e]	201	.6	2.9	.6	.9	2.3	5.7	3.7	9.4	.1	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2]Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3811	Engineering and scientific instruments...1967..	1,000.8	781.1	103.9	115.8	88	1,049.0	781.1	267.9	74
	1963..	553.9	405.9	80.0	68.0	84	688.5	405.9	282.6	59
3821	Mechanical measuring devices.....1967..	1,455.1	1,123.6	184.2	147.3	86	1,369.4	1,123.6	245.8	82
	1963..	1,143.4	818.7	207.3	117.5	80	983.8	818.7	165.2	83
3822	Automatic temperature controls.....1967..	618.0	476.2	109.9	31.9	81	523.6	476.2	47.4	91
	1963..	527.4	409.5	90.6	27.3	82	431.6	409.5	22.1	95
3831	Optical instruments and lenses.....1967..	406.9	335.8	49.3	21.8	87	451.9	335.8	116.1	74
	1963..	196.0	165.0	17.4	13.6	90	269.5	165.0	104.6	61
3841	Surgical and medical instruments.....1967..	475.4	375.4	38.1	61.9	91	542.9	375.4	167.5	69
	1963..	284.0	214.9	29.1	40.0	88	290.6	214.9	75.7	74
3842	Surgical appliances and supplies.....1967..	837.9	593.7	150.2	94.0	80	691.3	593.7	97.6	86
	1963..	596.7	414.5	105.4	76.7	80	461.8	414.5	47.3	90
3843	Dental equipment and supplies.....1967..	220.5	190.2	11.9	18.4	94	201.8	190.2	11.6	94
	1963..	147.8	127.7	8.8	11.3	94	139.5	127.7	11.8	92
3851	Ophthalmic goods.....1967..	426.0	360.1	50.9	15.0	88	377.5	360.1	17.4	95
	1963..	272.7	225.7	37.4	9.6	86	244.1	225.7	18.4	92

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. ^{r}Revised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Engineering and scientific instruments (SIC 3811)	Mechanical measuring devices (SIC 3821)	Automatic temperature controls (SIC3822)	Optical instruments and lenses (SIC 3831)	Surgical and medical instruments (SIC 3841)	Surgical appliances and supplies (SIC 3842)	Dental equipment and supplies (SIC 3843)	Ophthalmic goods (SIC 3851)	Other industries
	Total shipments and miscellaneous receipts	(X)	1,000.8	1,455.1	618.0	406.9	475.4	837.9	220.5	426.0	(X)
3811-	Engineering and scientific instruments...	1,049.0	781.1	23.2	(under 2)	(5-10)	(Z)	(under 2)	(under 2)	-	238.8
38111	Aeronautical, nautical, and navigational instruments; and automatic pilots.....	585.5	377.2	(10-20)	-	(5-10)	-	-	-	-	189.8
38112	Laboratory and scientific instruments..	259.7	216.0	(5-10)	(under 2)	(under 2)	(Z)	(under 2)	(under 2)	-	33.3
38113	Surveying and drafting instruments and laboratory furniture.....	139.4	124.1	(Z)	-	-	-	-	-	-	15.3
38110	Engineering and scientific instruments, n.s.k.....	64.4	63.8	(Z)	-	-	-	-	-	-	0.6

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Engineering and scientific instruments (SIC 3811)	Mechanical measuring devices (SIC 3821)	Automatic temperature controls (SIC 3822)	Optical instruments and lenses (SIC 3831)	Surgical and medical instruments (SIC 3841)	Surgical appliances and supplies (SIC 3842)	Dental equipment and supplies (SIC 3843)	Ophthalmic goods (SIC 3851)	Other industries
	Total shipments and miscellaneous receipts--Con.										
3821-	Mechanical measuring devices	1,369.4	40.2	1,123.6	(10-20)	8.8	5.1	(5-10)	-	-	171.1
38211	Aircraft engine instruments, except flight	120.0	3.9	78.1	-	(Z)	-	-	-	-	38.0
38212	Integrating meters, nonelectrical type	189.2	-	186.6	-	-	-	(Z)	-	-	2.6
38213	Industrial process instruments	749.8	32.3	623.1	(5-10)	-	5.1	(5-10)	-	-	74.8
38214	Motor vehicle instruments except electric	71.4	(Z)	40.9	(under 2)	-	-	-	-	-	(20-50)
38216	Other mechanical measuring and controlling instruments	191.8	(2-5)	151.1	(2-5)	8.8	-	(Z)	-	-	24.9
38210	Mechanical measuring devices, n.s.k.	47.2	(under 2)	43.9	(under 2)	-	-	-	-	-	(under 2)
38220	Automatic temperature controls	523.6	0.1	14.2	476.2	-	-	-	-	-	33.1
3831-	Optical instruments and lenses	451.9	(2-5)	0.5	-	335.8	-	(under 2)	-	(20-50)	80.1
38311	Optical instruments and lenses, except sighting and fire control equipment	353.8	(under 2)	0.5	-	264.7	-	(under 2)	-	(20-50)	56.1
38312	Sighting and fire control equipment made from lenses, prisms, etc. produced at the same establishment	69.5	(2-5)	(Z)	-	42.6	-	-	-	(under 2)	23.9
38310	Optical instruments and lenses, n.s.k.	28.6	-	-	-	28.6	-	-	-	-	-
38410	Surgical and medical instruments and apparatus	542.9	8.6	(2-5)	-	(under 2)	375.4	25.9	(2-5)	(2-5)	121.4
3842-	Surgical appliances and supplies	691.3	(under 2)	(under 2)	-	-	9.0	593.7	(under 2)	7.1	79.0
38421	Surgical, orthopedic, and prosthetic appliances and supplies	475.0	(under 2)	(Z)	-	-	(5-10)	409.0	(under 2)	-	58.1
38423	Personal industrial safety devices	144.4	-	(under 2)	-	-	(under 2)	119.1	(Z)	7.1	14.8
38424	Electronic hearing aids	40.9	-	-	-	-	(Z)	36.2	-	-	4.6
38420	Surgical appliances and supplies, n.s.k.	31.1	-	-	-	-	-	29.3	-	-	1.8
38430	Dental equipment and supplies	201.8	(under 2)	-	-	-	2.3	(over 2)	190.2	-	2.8
3851-	Ophthalmc goods	377.5	-	-	-	(under 2)	(under 2)	0.7	-	360.1	16.3
38511	Ophthalmic fronts and temples	84.2	-	-	-	-	-	-	-	84.2	-
38512	Ophthalmic focus lenses, including contact lenses	134.2	-	-	-	(under 2)	(under 2)	-	-	133.9	-
38513	All other ophthalmic goods	124.3	-	-	-	-	(under 2)	(under 2)	-	108.9	(10-20)
38510	Ophthalmic goods, n.s.k	34.8	-	-	-	-	-	(under 2)	-	33.0	(under 2)
	Other product shipments by 4-digit product group										
1929-	Ammunition for small arms, n.e.c	(X)	(under 2)	-	(over 2)	(Z)	-	(Z)	-	(Z)	(X)
2399-	Fabricated textile products, n.e.c	(X)	-	-	-	-	-	(10-20)	-	-	(X)
2511-	Wood household furniture	(X)	-	-	-	-	3.3	-	-	-	(X)
2514-	Metal household furniture	(X)	-	-	-	-	(over 2)	(Z)	-	-	(X)
2522-	Metal office furniture	(X)	(5-10)	-	-	-	(under 2)	-	-	-	(X)
2531-	Paperboard mill products	(X)	(2-5)	-	-	-	3.0	-	-	-	(X)
2599-	Furniture and fixtures, n.e.c	(X)	(under 2)	-	-	-	4.9	0.5	-	-	(X)
2641-	Coated and glazed paper	(X)	-	-	-	-	-	(over 2)	-	-	(X)
2647-	Sanitary paper products	(X)	-	-	-	-	-	4.9	-	-	(X)
2834-	Pharmaceutical preparations	(X)	-	-	-	-	-	(20-50)	-	-	(X)
2844-	Toilet preparations	(X)	-	-	-	-	-	(20-50)	-	-	(X)
3079-	Miscellaneous plastics products	(X)	2.8	(under 2)	-	-	(under 2)	2.2	-	(under 2)	(X)
3141-	Shoes, except rubber	(X)	-	-	-	-	-	(over 2)	-	-	(X)
3172-	Personal leather goods	(X)	(under -	-	-	-	-	-	-	(over 2)	(X)
3231-	Products of purchased glass	(X)	(under 2)	(2-5)	-	-	(under 2)	(under 2)	-	-	(X)
3443-	Fabricated platework (boiler shop products)	(X)	(under 2)	(2-5)	-	-	-	(Z)	-	-	(X)
3444-	sheet metalwork	(X)	(under 2)	(under 2)	(5-10)	-	-	-	-	-	(X)
3461-	Metal stamping	(X)	(under 2)	(Z)	(over 2)	-	-	(under 2)	-	-	(X)
3494-	Valves and pipe fittings	(X)	-	15.5	9.8	-	-	(under 2)	(under 2)	-	(X)
3532-	Mining machinery	(X)	-	-	-	-	-	(over 2)	-	-	(X)
3545-	Machine tool accessories	(X)	-	(2-5)	(over 2)	-	-	(under 2)	-	(under 2)	(X)
3567-	Industrial furnaces and ovens	(X)	-	(over 2)	(under 2)	-	-	-	-	-	(X)
3573-	Electronic computing equipment	(X)	(under 2)	(2-5)	-	-	-	-	(2-5)	-	(X)
3574-	Calculating and accounting machines	(X)	-	(2-5)	-	-	-	-	-	-	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Engineering and scientific instruments (SIC 3811)	Mechanical measuring devices (SIC 3821)	Automatic temperature controls (SIC 3822)	Optical instruments and lenses (SIC 3831)	Surgical and medical instruments (SIC 3841)	Surgical appliances and supplies (SIC 3842)	Dental equipment and supplies (SIC 3843)	Ophthalmic goods (SIC 3851)	Other industries
	Other product shipments by 4-digit product group--Con.										
3589-	Service industry machines, n.e.c.	(X)	-	(over 2)	(under 2)	-	-	(under 2)	-	-	(X)
3611-	Electric measuring instruments	(X)	3.3	37.9	(10-20)	2.7	-	(under 2)	-	-	(X)
3621-	Motors and generators	(X)	(2-5)	(under 2)	6.2	-	-	(2-5)	-	-	(X)
3622-	Industrial controls	(X)	(under 2)	5.0	17.3	-	-	-	-	-	-
3662-	Radio and TV communication equipment	(X)	8.2	20.0	(Z)	-	-	1.5	-	-	(X)
3679-	Electronic components, n.e.c.	(X)	1.1	6.5	(Z)	(over 2)	-	(under 2)	-	-	(X)
3693-	X-ray apparatus and tubes	(X)	(under 2)	-	-	(over 2)	(under 2)	-	(under 2)	-	(X)
3714-	Motor vehicle parts and accessories	(X)	-	(over 2)	-	-	-	(under 2)	(under 2)	-	(X)
3729-	Aircraft equipment, n.e.c.	(X)	(2-5)	1.2	-	(under 2)	-	(under 2)	-	-	(X)
3861-	Photographic equipment and supplies	(X)	(under 2)	-	-	4.3	(under 2)	-	-	-	(X)
3871-	Watches and clocks	(X)	-	2.0	(10-20)	-	-	-	-	-	(X)
	All other secondary products[1]	(X)	35.6	58.2	76.6	33.5	10.5	114.5	11.9	43.8	(X)
	Miscellaneous receipts, total	(X)	115.8	147.3	31.9	21.8	61.9	94.0	18.4	15.0	(X)
93000	Contract work	(X)	10.6	12.7	(under 2)	1.2	7.9	8.9	0.1	(under 2)	(X)
99980	Sales of scrap and refuse	(X)	0.3	3.2	3.0	1.1	1.7	0.6	1.1	0.4	(X)
99980	Receipts for installation	(X)	7.2	32.5	3.7	(X)	(under 2)	(under 2)	(Z)	(X)	(X)
99980	Receipts for research and developmental work	(X)	14.7	2.1	(Z)	3.7	(under 2)	(2-5)	(Z)	(2-5)	(X)
99980	Receipts for repair work	(X)	8.1	29.9	1.3	(X)	0.9	6.0	1.3	(X)	(X)
99980	Other miscellaneous receipts	(X)	9.2	11.1	(2-5)	2.5	0.2	0.8	0.4	0.7	(X)
99980	Resales	(X)	65.7	55.8	20.2	13.3	50.6	74.0	15.5	11.2	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3811	2522 Metal office furniture	(2-5)
	3611 Electric measuring instruments	19.1
	3621 Motors and generators	12.7
	3662 Radio and TV communication equipment	143.6
	3673 Electron tubes, transmitting	(over 2)
	3679 Electronic components, n.e.c.	9.1
	3722 Aircraft engines and engine parts	(2-5)
	3729 Aircraft equipment, n.e.c.	(20-50)
	3731 Ship building and repairing	(over 2)
	3742 Railroad and street cars	(over 2)
	3861 Photographic equipment and supplies	3.5
	3871 Watches and clocks	(5-10)
3821	1941 Sighting and fire control equipment	(2-5)
	3357 Nonferrous wiredrawing and insulating products	(2-5)
	3443 Fabricated platework (boiler shop products)	(2-5)
	3494 Valves and pipe fittings	15.5
	3542 Machine tools, metal forming types	(over 2)
	3548 Metalworking machinery, n.e.c.	(2-5)
	3567 Industrial furnaces and ovens	(2-5)
	3569 General industrial machinery, n.e.c.	(2-5)
	3582 Commercial laundry equipment	(over 2)
	3599 Miscellaneous machinery, except electrical	(2-5)
	3611 Electrical measuring instruments	17.3
	3662 Radio and TV communication equipment	31.6
	3673 Electron tubes, transmitting	(5-10)
	3679 Electronic components, n.e.c.	6.1
	3693 X-ray apparatus and tubes	(5-10)
	3714 Motor vehicle parts and accessories	(20-50)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products--Con.	
3822	3494 Valves and pipe fittings	5.1
	3599 Miscellaneous machinery, except electrical	(over 2)
	3622 Industrial controls	13.6
	3662 Radio and TV communication equipment	(2-5)
	3714 Motor vehicle parts and accessories	(2-5)
3831	3231 Products of purchased glass	(2-5)
	3662 Radio and TV communication equipment	20.8
	3673 Electron tubes, transmitting	(20-50)
	3679 Electronic components, n.e.c.	(10-20)
	3861 Photographic equipment and supplies	13.2
3841	1941 Sighting and fire control equipment	(2-5)
	2515 Mattresses and bedsprings	(over 2)
	2522 Metal office furniture	(over 2)
	2834 Pharmaceutical preparations	59.1
	3079 Miscellaneous plastics products	(5-10)
	3421 Cutlery	(2-5)
	3589 Service industry machines, n.e.c.	(5-10)
	3994 Morticians' goods	(20-50)
3842	2399 Fabricated textile products, n.e.c.	(2-5)
	2641 Coated and glazed paper	(20-50)
	2844 Toilet preparations	(over 2)
	3079 Miscellaneous plastics products	3.5
	3291 Abrasive products	(over 2)
	3522 Farm machinery	(over 2)
	3651 Radio and TV receiving sets	(2-5)
3851	2821 Plastics materials and resins	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. n.s.k. Not specified by kind.

[1]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc., appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3811- --	ENGINEERING AND SCIENTIFIC INSTRUMENTS, TOTAL	(X)	1,049.0	(X)	688.5
38111 --	Aeronautical, nautical, and navigational instruments; and automatic pilots:				
	As reported in the census of manufactures	(X)	[1]585.5	(X)	[1]377.0
	As reported on Census Annual Form MA-38B	(X)	[1] [2]487.9	(X)	[1]346.1
	Flight and navigation instruments:				
38111 01	Compasses (except radio)	(NA)	31.7	89.9	3.5
38111 04	Omnibearing indicators (for visual-omni-range systems)	(X)	[3]	(X)	[3]
38111 05	Radio magnetic indicators	(X)	[3]	(X)	[3]
38111 06	Glide slope indicators	(X)	[3]	(X)	[3]
38111 07	Pictorial deviation indicators	(X)	[3]	(X)	[3]
38111 08	Altimeters (except radio altimeters)	(NA)	9.1	11.2	9.6
38111 09	Air speed indicators	(NA)	6.2	8.4	2.7
38111 11	Machmeters	(X)	[3]	(X)	[3]
38111 12	Acceleration indicators	(NA)	3.5	(X)	[3]
38111 13	Rate-of-climb indicators	7.0	4.1	6.2	0.9
38111 14	Driftmeters	(X)	[3]	(X)	[3]
38111 15	Angle-of-attack indicators	(X)	[3]	(X)	[3]
38111 16	Angle-of-yaw indicators	(X)	[3]	(X)	[3]
38111 17	Bank and turn indicators	32.6	43.0	(X)	[3]
38111 18	Horizon flight indicators			11.7	8.4
38111 19	Sextants	(X)	[3]	(X)	[3]
38111 20	Other flight and navigation instruments	(X)	[3]11.3	(X)	[3]13.0
	Gyroscopes (sold separately):				
38111 21	Vertical	19.7	20.0	13.6	25.8
38111 23	Directional	(NA)	4.2	3.9	2.9
38111 25	Free, torqued and untorqued	(NA)	9.5	5.5	10.9
38111 27	Rate	(NA)	24.7	34.9	24.7
38111 41	Integrating rate (nonfloated)	(NA)	14.5	0.2	0.4
38111 43	Fully floated			7.7	24.5
38111 44	Complete automatic pilots (both gyroscopic and nongyroscopic)	25.0	105.7	12.5	62.8
	Airframe equipment instruments:				
38111 61	Position indicators (mechanical, as for landing gear, cowl flaps, stabilizers, etc.)	(X)	2.8	(X)	6.7
38111 62	Electrical system (ammeters, load meters, frequency meters, etc.)	(X)	1.1	(X)	8.9
38111 63	Hydraulic system (both electrical and mechanical measuring means, as for liquid level and temperature and pressure indicators)	(X)	3.0		
38111 64	Cabin air conditioning and heating (both electrical and mechanical means; indicators for differential pressure, air temperature, and air flow; and compressor tachometers)	(X)	5.3		
	Regulating and controlling instruments:				
38111 71	Electrical (air combustion, air pressure, cabin pressure, etc.)	(X)	[4]	(X)	[4]
38111 72	Mechanical (coolant, demand oxygen, oil pressure, etc.)	(X)	18.2	(X)	19.5
38111 98	Other aeronautical; nautical; and navigational instruments	(X)	[4]170.0	(X)	[4]120.9
38111 00	Aeronautical, nautical, and navigational instruments, and automatic pilots, n.s.k	(X)	(X)	(X)	-
38112 --	Laboratory and scientific instruments:				
	As reported in the census of manufactures	(X)	259.7	(X)	195.1
	As reported on Census Annual Form MA-38B	(X)	[2]231.3	(X)	186.1
38112 62	Electronic laboratory standards and calibrating equipment	(X)	15.0	(X)	2.8
38112 63	Electrical laboratory standards and calibrating equipment	(X)	7.3	(X)	6.1
38112 64	All other laboratory and scientific instruments, excluding aircraft, nautical, and navigational instruments and apparatus, electrical quantity measuring instruments, and industrial instruments	(X)	209.1	(X)	177.2
38113 --	Surveying and drafting instruments and laboratory furniture	(X)	[2]139.4	(X)	104.1
38113 31	Surveying and drafting instruments and apparatus, except optical, (including surveying, transits, drawing instruments, drafting machines, slide rules, planimeters, integrators, etc	(X)	24.0	(X)	23.3
38113 41	Photogrammetric equipment, including cameras	(X)	5.9	(X)	2.2
38113 71	Laboratory precision balances, including accessories, attachments, and parts	(X)	6.5	(X)	6.5

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3811- --	ENGINEERING AND SCIENTIFIC INSTRUMENTS--Continued				
38113 --	Surveying and drafting instruments and laboratory furniture--Continued				
	Laboratory furniture:				
	Cabinets and cases:				
38113 81	Wood	(X)	63.0	(X)	31.8
38113 85	Metal	(X)	30.3	(X)	24.1
38113 89	Other (tables, stools, reagent shelves, etc.)	(X)	4.1	(X)	13.0
38113 00	Surveying and drafting instruments and laboratory furniture, n.s.k	(X)	5.7	(X)	3.2
38110 00	Engineering and scientific instruments, n.s.k. (Represents primarly establishments with 10 employees or more in 1967. See Note.)	(X)	55.2	(X)	12.3
38110 02	Engineering and scientific instruments, n.s.k. (Represents primarly establishments with fewer than 10 employees. See Note.)	(X)	9.4		
3821- --	MECHANICAL MEASURING DEVICES, TOTAL	(X)	[2]1,369.4	(X)	[r]957.8
38211 --	Aircraft engine instruments, except flight:				
38211 10	As reported in the census of manufactures	(X)	120.0	(X)	66.4
	As reported on Census annual Form MA-38B	(X)	[2]95.5	(X)	64.1
38211 45	Temperature indicators	(X)	9.5	(X)	5.8
38211 46	Pressure ratio indicators	(X)	7.9	(X)	2.4
38211 47	Pressure and vacuum indicators	(X)	9.5	(X)	4.3
38211 48	Flow indicators	(X)	21.2	(X)	9.5
38211 49	Liquid level indicators	(X)	24.4	(X)	24.9
38211 50	Tachometers	(X)	10.0		
38211 51	Thrust power indicators				
38211 52	Fuel mixture indicators				
38211 53	Fuel totalizers			(X)	17.2
38211 54	Fuel densitometers	(X)	13.1		
38211 55	Engine synchronizers				
38211 56	All other				
38212 --	Integrating meters, nonelectrical type:				
38212 00	As reported in the census of manufactures	(X)	189.2	(X)	163.7
	As reported on Census annual Form MA-38B	(X)	[2]177.7	(X)	148.4
38212 11	Gas meters	1,396.5	57.6	1,558.3	56.5
38212 31	Water meters	1,203.1	69.2	1,351.3	60.9
38212 41	Gasoline dispensing meters	263.3	21.3	237.5	11.8
38212 98	Other nonelectrical integrating meters	189.7	19.9	237.9	19.2
38212 00	Integrating meters, nonelectrical type, n.s.k	(X)	9.7	(X)	-
38213 --	Industrial process instruments:				
38213 00	As reported in the census of manufactures	(X)	749.8	(X)	522.4
	As reported on Census annual Form MA-38B	(X)	[2]727.7	(X)	473.1
	Temperature instruments:				
	Electrical and electronic measuring types (thermocouple, resistance thermometer, radiation, optical, etc.):				
38213 01	Direct-deflecting types (indicators, recorders and controllers for all types of temperature detectors)	2,526.6	13.9		
38213 02	Self-balancing types (indicators, recorders, electric or pneumatic controllers and transmitters for thermocouple and resistance thermometer detectors)				
38213 03	Self-balancing types (indicators, recorders, electric or pneumatic controllers and transmitters for radiation and optical type detectors)	49.5	46.1		
	Mechanical measuring types:				
	Liquid in glass thermometers:				
38213 04	Process types	887.3	5.5	4,483.9	86.8
38213 05	Laboratory types	1,206.3	3.4		
	Bimetallic:				
38213 06	Over 2-1/2" dial	664.5	4.1		
38213 07	2-1/2" dial and smaller	138.3	0.5		
	Filled system:				
38213 08	Indicators only	1,427.4	10.8		
38213 09	Recorders, indicating or recording controllers, self-actuated controllers and transmitters with electric or pneumatic output.	191.1	22.4		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3821- --	MECHANICAL MEASURING DEVICES--Continued				
38213 --	Industrial process instruments--Continued As reported on Census annual Form MA-38B--Continued				
	Pressure, draft and vacuum instruments:				
38213 10	Electrical and electronic measuring types, including indicators, recorders, controllers and transmitters with electric or pneumatic output	(X)	13.0	(X)	18.8
	Mechanical measuring types:				
38213 11	Indicators only	(X)	73.3	(X)	75.8
38213 12	Recorders, indicating or recording controllers, self-actuated controllers and transmitters with electric or pneumatic output	(X)	27.4		
	Flow and liquid level instruments (including indicators, recorders, controllers and transmitters with electric or pneumatic output):				
38213 13	Electromagnetic, capacitance and electronic types	(X)	19.6	(X)	9.4
38213 14	Differential pressure types (diaphragm, bellows, liquid seal, etc.)	(X)	49.2		
38213 15	Other types, variable area, float and displacement, positive displacement, turbing, mass-flow, etc	(X)	32.6	(X)	57.8
38213 16	Humidity instruments (all types)	(X)	6.0	(X)	4.0
	Continuous process gas and liquid analysis instruments (on stream types only):				
38213 17	Chromatographic	(X)	8.6	(X)	12.6
38213 18	Other gas analysis types	(X)	22.2	(X)	10.2
38213 19	Other liquid analysis types	(X)	7.8		
	Instruments for all variables not listed above (speed, mechanical and electrical load, viscosity, position, density, specific gravity, sequence, time interval, millivolts, etc.):				
	Electrical and electronic measuring types, including indicators, recorders, controllers and transmitters with electric or pneumatic output:				
38213 20	Self-balancing types	(X)	16.0		
38213 21	Direct-deflecting types			5.7	6.0
38213 22	Mechanical measuring types (including indicators, recorders, controllers, and transmitters with electric or pneumatic output	(X)	23.1		
	General purpose process display and control instruments which operate from standard transmitted signals:				
	Electrical and electronic types (a.c. or d.c. milliampere or millivolt or telemetering signals):				
38213 23	Indicators only	(X)	1.8		
38213 24	Blind controllers	(X)	7.9		
38213 25	Indicators with set-point stations, indicating controllers, integrators, recorders with or without self-contained set-point stations, recording controllers and separately-mounted set-point stations	(X)	22.7		
	Pneumatic types (3 to 15 and 3 to 27 p.s.i. standard signals):			(X)	(5)
38213 26	Indicators only	(X)	2.3		
38213 27	Blind controllers	(X)	5.1		
38213 28	Indicators with set-point stations, indicating controllers, integrators, recorders with or without self-contained set-point stations, recording controllers and separately-mounted set-point stations	(X)	20.5		
38213 29	Parts for process type instruments and control	(X)	78.6		
	Physical properties testing and inspection equipment, including harness, strength of materials, thickness, wear, abrasion, and similar testers (excluding X-ray and nuclear):				
	Stress, strain, and flaw detecting and measuring equipment:				
38213 30	Electronic types	(X)	24.2	(X)	16.8
38213 31	Other types	(X)	7.4	(X)	7.3
	Other physical properties testing and inspection equipment:				
38213 54	Electronic types	(X)	19.0	(X)	6.0
38213 55	Other types	(X)	10.0	(X)	8.0
	Kinematic test and measuring equipment:				
38213 57	Vibration	(X)	21.4	(X)	20.8
38213 58	Acceleration and all other kinematic test and measuring equipment	(X)	7.2	(X)	9.5
	Household type instrument:				
38213 33	Thermometers	27,872.0	12.8	14,272.6	8.9
38213 32	Barometers (all types)	286.4	2.3	266.4	3.1
38213 34	Clinical thermometers	1,872.8	8.2	14,897.5	6.7

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3821- --	MECHANICAL MEASURING DEVICES--Continued				
38213 --	Industrial process instruments--Continued As reported on Census annual Form MA-38B--Continued				
	All other industrial process instruments:				
38213 95	Electronic types	(X)	24.2	(X)	[5]26.6
38213 97	Other types	(X)	46.6	(X)	[5]78.0
38214 --	Motor vehicle instruments, except electric	(X)	71.4	(X)	[r]69.8
38214 11	Speedometers for motor vehicles	(X)	59.6	(X)	41.8
38214 98	Other motor vehicle indicating instruments, except electric (fuel level oil pressure, etc.)	(X)	11.1	(X)	27.4
38214 00	Motor vehicle instruments, except electric, n.s.k	(X)	0.7	(X)	0.6
38216 --	Other mechanical measuring and controlling instruments:				
38216 00	As reported in the census of manufactures	(X)	191.8	(X)	117.2
	As reported on Census annual Form MA-38B	(X)	[2] [6]127.4	(X)	107.5
	Nuclear radiation detection and monitoring instruments:				
38216 11	Radiation detecting elements, including ion chambers, sold separately	10.5	3.4	15.3	2.9
	Nuclear monitoring instruments:				
	Portable (or handheld):				
38216 12	50 MR/HR maximum range	(NA)	1.5	65.9	2.1
38216 13	50.1 MR/HR but less than 10 R/HR			328.6	5.9
38216 14	10 R/HR through 500 R/HR			11.6	0.7
38216 15	Environmental (fixed or semiportable or mobile systems for area monitoring but not handheld or worn on person)	(NA)	0.9	(NA)	2.3
38216 16	Personal dosimetry devices, self-reading and others (worn on the person)	(NA)	1.3	1,158.8	6.5
	Medical monitors:				
38216 17	Whole body counters	(X)	[7]	0.8	1.4
38216 18	Medical scanners and special purpose monitors				
38216 19	Scalers	2.4	2.5	3.4	3.0
38216 21	Special amplifiers for nuclear applications	(X)	[7]	1.1	1.2
	Pulse analyzers, including nuclear spectrometers:				
38216 22	Single channel pulse height analyzers	1.6	2.9	0.6	0.5
38216 23	Multichannel pulse height analyzers	0.7	5.7	0.7	6.7
38216 24	Sample changers	(X)	[7]	0.5	0.9
38216 25	Count rate meters	1.9	1.1	2.4	1.2
38216 26	Nuclear instruments for industrial purposes	2.3	15.2	2.1	5.0
38216 27	Miscellaneous, n.e.c	(X)	[7]40.8	(X)	21.1
	Mechanical measuring instruments:				
38216 71	Revolution counters	(X)	52.0	1,570.3	11.4
38216 51	Other mechanical measuring instruments			(X)	34.7
38210 00	Mechanical measuring devices, n.s.k.(Represents establishment with 10 employers or more in 1967. See Note.)	(X)	37.1	(X)	18.3
38210 02	Mechanical measuring devices, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	10.1		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (millions of units)	Value (million dollars)	Quantity (millions of units)	Value (million dollars)
3822- --	AUTOMATIC TEMPERATURE CONTROLS, TOTAL	(X)	[2]523.6	(X)	431.6
	Automatic temperature controls of the type principally used as components of air-conditioning, refrigeration, and comfort heating, or as components of major household appliances, including pneumatic controls:				
38220 00	As reported in the census of manufactures	(X)	[2]523.6	(X)	431.6
	As reported on Census Annual Form MA-38B	(X)	522.2	(X)	420.7
38220 12	Pressure sensitive controls	(X)	21.4	(X)	21.6
38220 14	Thermostatic controls	(X)	385.7	(X)	309.5
38220 16	Hydrostatic controls	(X)	115.2	(X)	89.6
38220 18	Other				

Product code	Product	Value (million dollars)	
		1967	1963
3831- --	OPTICAL INSTRUMENTS AND LENSES, TOTAL	[2]451.9	269.5
38311 --	Optical instruments and lenses, except sighting and fire control equipment:		
38311 00	As reported in the census of manufactures	353.8	212.8
	As reported on census annual Form MA-38B	[2]339.9	199.2
	Optical:		
38311 31	Field glasses, prismatic and nonprismatic, terrestrial and celestial telescopes	([8])	2.6
38311 51	Microprojectors and photomicrographic equipment	([8])	([8])
	Microscopes:		
38311 52	Electron and proton	32.1	32.3
38311 54	Optical		
38311 74	Optical and related types of spectrometers	76.4	50.4
	All other optical instruments:		
38311 76	Electrophoresis equipment	([8])	(X)
38311 80	All other optical instruments including refractometers, meteorology instruments, and other optical instruments used for laboratory and measuring purposes	[8]127.2	[8]70.9
	Laboratory analysis apparatus (nonoptical):		
38311 71	Mass spectrographs	5.4	5.1
38311 73	Nuclear magnetic resonance type apparatus		([9])
38311 75	Electron paramagnetic spin type apparatus		([9])
38311 77	Chromatographic equipment (excluding continuous (on stream) gas and chemical analysis types)	59.7	5.5
38311 79	All other nonoptical analytical instruments and equipment (photometers, colorimeters, turbidometers, nephelometers, titrometers, PH meters, etc.)		[9]32.4
38311 98	Lenses, components, and parts	39.1	
38312 --	Sighting and firecontrol equipment made from lenses, prisms, etc., produced at the same establishment:		
38312 00	As reported in the census of manufactures	69.5	51.1
	As reported on census annual Form MA-38B	66.7	49.8
38312 62	Sighting, tracking, and fire-control equipment (optical type), made from lenses, prisms, etc., produced in the same plant	66.7	49.8
38310 00	Optical instruments and lenses, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	23.7	
38310 02	Optical instruments and lenses, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	4.8	5.7

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3841- --	SURGICAL AND MEDICAL INSTRUMENTS, TOTAL	.....	(X)	[2]542.9	(X)	290.6
38410 12	Surgical instruments, including suture needles, and eye, ear, nose, and throat instruments	.....	(X)	35.1	(X)	22.3
38410 31	Orthopedic instruments, such as bone drills, bone plates, etc., excluding eye, ear, nose, and throat instruments	.....	(X)	6.8	(X)	8.1
38410 51	Diagnostic apparatus, including such items as metabolism and blood pressure apparatus, ophthalmoscopes, octoscopes, cystoscopes, etc	.....	(X)	76.4	(X)	19.2
	Hypodermic syringes:					
38410 63	Reusable	Million units..	4.8	8.4	7.9	11.6
	Disposable:					
38410 66	Uniquely designed for prefilling	...do.....	247.6	15.4	115.9	11.3
38410 68	Other	...do.....	(NA)	29.1	389.2	25.1
	Hypodermic needles:					
38410 73	Reusable	...do.....	(NA)	4.1	30.6	5.4
38410 75	Disposable	...do.....	1,712.8	42.4	834.1	27.5
38410 83	Anesthesia apparatus and oxygen tents	.....	(X)	24.8	(X)	82.3
38410 85	Other surgical and medical instruments, including transfusion equipment, blood donor kits, veterinary instruments	.....	(X)	164.5	(X)	
38410 91	Operating room furniture, including tables, cases, cabinets, etc..	.....	(X)	22.8	(X)	18.0
38410 93	Patient room furniture, including cabinets, overbed tables, desks, dressers, etc., but excluding beds and chairs	.....	(X)	27.4	(X)	49.8
38410 96	Other hospital furniture, excluding operating and patient room furniture, beds and instruments, but including cases, tables, bassinets, chartracks, backrests, etc	.....	(X)	56.3	(X)	
38410 00	Surgical and medical instruments, n.s.k. (represents establishments with 10 employees or more in 1967. See Note.)	.....	(X)	23.1	(X)	9.9
38410 02	Surgical and medical instruments, n.s.k. (represents establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	5.5	(X)	
3842- --	SURGICAL APPLIANCES AND SUPPLIES, TOTAL	.....	(X)	691.3	(X)	461.8
38421- --	Surgical, orthopedic, and prosthetic appliances and supplies	.....	(X)	475.0	(X)	318.2
38421 11	Orthopedic appliances (braces), including parts	.....	(X)	17.6	(X)	8.1
38421 15	Sterilizers (hospital and surgical), excluding dental sterilizers	.....	(X)	29.9	(X)	15.8
	Surgical dressings:					
38421 22	Elastic bandages	Million sq.yds.	(NA)	29.0	2.0	6.0
38421 23	Other bandages, including muslin, plaster of Paris, etc. (excluding self adhering bandages)	...do.....			27.3	10.9
38421 24	Adhesive plaster, medicated and nonmedicated, including self-adhering bandages	.....	(X)	83.3	(X)	53.7
38421 26	Gauze (absorbent and packing)	Million sq.yds.	(NA)	3.7	106.5	5.7
38421 27	Cotton, including cotton balls (sterile and nonsterile)	.....	(X)	15.6	(X)	15.0
38421 29	Other surgical dressings, including sponges, compresses, pads, etc	.....	(X)	63.8	(X)	30.8
	Sterile surgical sutures:					
38421 33	Absorbable	.....	(X)	43.4	(X)	32.6
38421 34	Nonabsorbable	.....	(X)	27.8	(X)	18.1
38421 35	Artificial limbs (prosthetic), including parts	.....	(X)	9.9	(X)	7.6
38421 38	Elastic stockings	.....	(X)	10.0	(X)	8.3
38421 41	Elastic braces, suspensories, and other elastic supports	.....	(X)	11.9	(X)	7.5
38421 45	Arch supports and other foot appliances	.....	(X)	7.7	(X)	3.3
38421 71	Surgical corsets	1,000 dozen....	169.2	10.6	74.0	6.5
38421 65	Breathing devices excluding anesthetic apparatus but including incubators, respirators, resuscitators, inhalators, etc	.....	(X)	16.5	(X)	77.9
38421 61	Corn remover pads, bunion pads, etc	.....	(X)	89.1		
38421 98	Other surgical and orthopedic items (wheel chairs, splints, trusses, etc.)	.....				
38421 00	Surgical, orthopedic, and prosthetic appliances and supplies n.s.k	.....	(X)	5.2	(X)	10.4
38423 --	Personal industrial safety devices	.....	(X)	[2]144.4	(X)	97.4
38423 11	Respiratory protection equipment, including gas masks, abrasive masks, canister masks, etc	.....	(X)	47.9	(X)	30.0
38423 31	Eye and face protection devices, including face shields, heads and welding helmets and masks excluding industrial goggles and eye protectors)	.....	(X)	17.9	(X)	11.5
38423 51	Protective clothing, except shoes	.....	(X)	31.4	(X)	21.7

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3842- --	SURGICAL APPLIANCES AND SUPPLIES--Con.					
38423 --	Personal industrial safety devices--Continued					
38423 61	First aid, snake bite and burn kits, both household and industrial types	.....	(X)	8.2	(X)	7.0
38423 71	Other personal safety devices	.....	(X)	36.8	(X)	27.2
38423 00	Personal industrial safety devices, n.s.k.	.....	(X)	2.1	(X)	-
38424 13	Electronic hearing aids, complete units	1,000 units...	360.1	40.9	355.0	35.3
38420 00	Surgical appliances and supplies, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note)	.....	(X)	14.8	(X)	11.0
38420 02	Surgical appliances and supplies, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note)	.....	(X)	16.3		
3843- --	DENTAL EQUIPMENT AND SUPPLIES, TOTAL	.....	(X)	201.8	(X)	139.5
	Dental metals:					
38430 11	Precious	Thousand Troy oz.....	1,121.4	32.0	797.0	19.5
38430 15	Nonprecious	...do.....	1,765.8	4.1	1,062.0	2.5
38430 21	Dental alloys for amalgams	...do.....	3,222.3	6.1	1,537.0	2.7
	Teeth, excluding dentures:					
38430 31	Porcelain	Million teeth.	53.4	12.8	60.5	12.4
38430 35	Other, including resinous and plastic	...do.....	37.6	9.1	26.7	5.1
38430 41	Denture materials	.....	(X)	5.3	(X)	3.8
38430 47	Dental professional equipment, including dental chairs, equipment units, cabinets, lights, etc	.....	(X)	46.5	(X)	27.2
38430 51	Dental laboratory equipment, including furnaces, casting machines, lathes, benches, polishing units, flasks, blow pipes, presses, etc	.....	(X)	7.7	(X)	6.1
38430 57	Dental hand instruments (forceps and pliers, broaches, cutting instruments, etc.)	.....	(X)	12.4	(X)	8.1
38430 61	Burs, diamond points, abrasive points, wheels, disks, and similar tools for use with hand pieces	.....	(X)	8.7	(X)	7.7
38430 71	Waxes, cements, dental gypsums, impression materials, and other consumable supplies including low-fusing alloys	.....	(X)	22.1	(X)	14.4
38430 98	Other dental products, including dental sterilizers (excluding X-ray equipment)	.....	(X)	24.4	(X)	23.7
38430 00	Dental instruments, equipment, and supplies, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	2.9	(X)	6.4
38430 02	Dental instruments, equipment, and supplies, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	7.7	(X)	
3851- --	OPHTHALMIC GOODS, TOTAL	.....	(X)	377.5	(X)	244.1
38511 --	Ophthalmic fronts and temples	.....	(X)	84.2	(X)	68.1
	Fronts, finished (with or without decoration), and temples:					
38511 12	Gold-filled fronts, full-rimmed or semirimmed	Million units.	1.0	3.2	0.9	2.5
38511 14	Aluminum or other metal fronts	...do.....	1.1	2.8	0.7	2.5
38511 15	Plastic fronts	...do.....	21.7	29.3	20.1	26.7
38511 16	Combination fronts	...do.....	6.1	14.6	4.7	12.2
38511 17	Temples (all types), finished	Million pairs.	34.8	30.7	24.7	24.2
38511 00	Ophthalmic fronts and temples, n.s.k.	.....	(X)	3.6	-	-
38512 --	Ophthalmic focus lenses, including contact lenses	.....	60.6	134.2	36.5	70.0
38512 21	Plastic lenses	Million pairs.	10.6	4.0	([10])	([10])
38512 23	Contact lenses	...do.....	1.0	7.2	([10])	([10])
38512 31	Single vision lenses (ground and polished and molded blanks	...do.....	30.8	49.1	[10]22.1	[10]27.4
	Multifocal lenses (finished and semifinished and molded blanks):					
38512 41	Bifocals	...do.....	16.7	71.6	[10]14.5	[10]42.6
28512 43	Other	...do.....	1.5	2.1		
38512 00	Ophthalmic focus lenses, n.s.k.	.....	(X)	0.3	-	-

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
	OPHTHALMIC GOODS--Con.					
38513 --	All other ophthalmic goods	.....	(X)	124.3	(X)	97.1
38513 21	Centers, oxfords, parts, trim, unfinished fronts and temples, etc.	.....	(X)	10.1	(X)	6.8
38513 31	Ophthalmic spectacles and eyeglasses (frames and mountings of all types when sold with corrective lenses inserted--with or without decoration)	Million units.	(NA)	10.3	3.3	4.8
38513 41	Industrial goggles, eye protectors, welding circles and plates, mountings, and parts	.....	(X)	35.4	(X)	23.0
38513 51	Sun or glare glasses and sungoggles, complete	Million units.	50.2	52.6	32.6	45.0
38513 98	Other ophthalmic goods and accessories (sunglass frames, single readers and magnifiers, holders, gas mask inserts, etc.)	.....	(X)	15.5	(X)	17.5
38513 00	All other ophthalmic goods, n.s.k.	.....	(X)	0.4	-	-
38510 00	Ophthalmic goods, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	26.3	(X)	9.0
38510 02	Ophthalmic goods, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	8.5		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. r Revised.

[1]The major difference between these two figures concerns the method of reporting parts and components for aircraft, flight, nautical and navigational instruments and automatic pilots. Whereas many respondents have included such items under the broad heading in the census, parts are not covered in the MA-38B survey.

[2]Total may not agree with the sum of the detail due to independent rounding.

[3]Included with 38111 20 to avoid disclosing figures for individual companies.

[4]Included with 38111 98 to avoid disclosing figures for individual companies.

[5]Included with codes 38213 95 and 38213 97 in 1963.

[6]Most of the difference between these figures is due to a difference in emphasis placed on the products composing this product class. The product class title in the annual form MA38B emphasizes the nuclear radiation detection instruments, whereas the product class title in the Census of Manufactures gives, greater emphasis to the miscellaneous character of the product class. The major portion of the consequent reporting differences therefore relates to product code 38216 51, "other mechanical measuring instruments."

[7]Included with 38216 27 to avoid disclosing figures for individual companies.

[8]Included with 38311 80 to avoid disclosing figures for individual companies.

[9]Included with 38311 79 to avoid disclosing figures for individual companies.

[10]Data for plastic lenses (product code 38512 21) and contact lenses (product code 38512 23) were not collected separately in 1963 and are therefore included with single vision lenses (product code 38512 31) and multifocal lenses (product codes 38512 41 and 38512 43).

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
AERONAUTICAL, NAUTICAL, NAVIGATIONAL INSTRUMENTS (38111)		
United States	585.5	449.2
Northeast Region	205.7	163.6
New England Div.	50.5	46.2
Massachusetts	33.3	31.4
Connecticut	EE	(1)
Middle Atlantic Div.	155.1	117.4
New York	28.1	17.3
New Jersey	103.9	97.9
Pennsylvania	23.2	2.2
North Central Region	174.8	148.0
East North Central Div.	121.9	101.1
Ohio	1.4	1.6
Indiana	CC	(1)
Illinois	37.5	12.9
Michigan	GG	(1)
Wisconsin	BB	(1)
West North Central Div.	52.9	46.9
Minnesota	EE	(1)
Iowa	EE	(1)
Kansas	BB	(1)
South Region	39.0	27.2
South Atlantic Div.	20.2	23.3
Virginia	BB	(1)
North Carolina	BB	(1)
Florida	6.9	(1)
West South Central Div.	CC	3.9
Oklahoma	AA	(D)
Texas	17.8	(1)
West Region	166.0	71.8
Mountain Div.	GG	(D)
Arizona	GG	(1)
Pacific Div.	GG	(D)
Washington	1.2	(1)
Oregon	AA	(D)
California	GG	(1)
LABORATORY AND SCIENTIFIC INSTRUMENTS (38112)		
United States	259.7	195.1
Northeast Region	95.8	58.5
New England Div.	39.2	16.3
New Hampshire	BB	(D)
Massachusetts	22.0	9.4
Rhode Island	BB	(1)
Connecticut	10.9	(1)
Middle Atlantic Div.	56.8	42.2
New York	11.0	9.9
New Jersey	16.8	11.3
Pennsylvania	28.8	21.0
North Central Region	74.2	41.4
East North Central Div.	63.0	38.6
Ohio	13.7	4.1
Indiana	AA	(D)
Illinois	36.3	27.8
Michigan	12.0	5.2
LABORATORY AND SCIENTIFIC INSTRUMENTS (38112)--Con.		
North Central Region--Con.		
West North Central Div.	11.2	2.8
Minnesota	CC	(D)
Iowa	AA	(D)
Missouri	BB	(1)
Nebraska	AA	(D)
South Region	46.0	28.7
South Atlantic Div.	27.0	(D)
Delaware	BB	(D)
Maryland	18.2	16.9
Virginia	CC	(D)
West Virginia	BB	(D)
North Carolina	AA	(D)
Florida	3.2	(D)
East South Central Div.	AA	(D)
Tennessee	AA	(D)
West South Central Div.	EE	(D)
Louisiana	AA	(1)
Oklahoma	BB	(D)
Texas	12.4	8.9
West Region	43.8	66.6
Mountain Div.	6.0	4.3
Colorado	2.8	(1)
Arizona	BB	(1)
Pacific Div.	37.8	62.3
Oregon	BB	(1)
California	FF	(1)
SURVEYING, DRAFTING INSTRUMENTS AND LAB FURNITURE (38113)		
United States	139.4	104.0
Northeast Region	43.6	33.6
New England Div.	5.9	4.4
Maine	BB	(D)
Massachusetts	2.1	2.3
Connecticut	AA	(D)
Middle Atlantic Div.	37.8	29.2
New York	18.0	11.0
New Jersey	17.8	16.7
Pennsylvania	2.0	1.6
North Central Region	43.8	33.3
East North Central Div.	43.7	(D)
Ohio	BB	(1)
Illinois	3.8	3.5
Michigan	21.1	14.5
Wisconsin	EE	13.3
South Region	40.1	29.6
South Atlantic Div.	27.8	(D)
Virginia	BB	(1)
North Carolina	FF	(1)
East South Central Div.	CC	(D)
Mississippi	CC	(D)
West South Central Div.	BB	(D)
Texas	BB	3.7
SURVEYING, DRAFTING INSTRUMENTS AND LAB FURNITURE (38113)--Con.		
West Region	11.8	7.6
Mountain Div.	CC	(D)
Colorado	CC	(1)
Pacific Div.	CC	(D)
California	CC	(1)
AIRCRAFT ENGINE INSTRUMENTS, EXCEPT FLIGHT (38211)		
United States	120.0	66.4
Northeast Region	82.8	41.9
New England Div.	51.2	19.8
Vermont	CC	(1)
Massachusetts	FF	(1)
Connecticut	EE	(1)
Middle Atlantic Div.	31.6	22.1
New York	EE	12.7
New Jersey	4.3	(1)
Pennsylvania	EE	(1)
North Central Region	24.2	16.4
East North Central Div.	AA	(D)
West North Central Div.	FF	(D)
Minnesota	EE	(1)
Iowa	AA	(1)
Missouri	AA	(D)
South Region	4.5	(D)
West South Central Div.	BB	(D)
Texas	BB	(1)
West Region	8.6	(D)
Mountain Div.	BB	(D)
Arizona	AA	(D)
Pacific Div.	CC	(D)
California	CC	(1)
INTEGRATING METERS, NONELECTRICAL TYPE (38212)		
United States	189.2	163.7
Northeast Region	122.0	111.0
New England Div.	26.1	(D)
Massachusetts	EE	(1)
Connecticut	CC	(1)
Middle Atlantic Div.	95.9	(D)
New York	FF	(1)
New Jersey	CC	7.5
Pennsylvania	56.1	54.4
North Central Region	37.2	29.6
East North Central Div.	FF	(D)
Illinois	CC	(1)
Wisconsin	EE	(1)
West North Central Div.	EE	(D)
Nebraska	EE	(1)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
INTEGRATING METERS, NONELECTRICAL TYPE (38212)--Con.		
South Region	16.9	9.6
South Atlantic Div.	CC	(D)
Georgia	CC	(1)
East South Central Div.	AA	(D)
Tennessee	AA	(1)
West South Central Div.	CC	(D)
Arkansas	BB	(D)
Texas	BB	(1)
West Region	13.1	13.5
Pacific Div.	13.1	13.5
California	13.1	13.5
INDUSTRIAL PROCESS INSTRUMENTS (38213)		
United States	749.8	522.4
Northeast Region	458.1	343.3
New England Div.	180.0	130.7
Vermont	BB	(1)
Massachusetts	113.1	81.1
Rhode Island	EE	(1)
Connecticut	54.6	39.5
Middle Atlantic Div.	278.0	212.6
New York	64.7	55.9
New Jersey	19.9	18.4
Pennsylvania	193.4	138.3
North Central Region	178.0	117.9
East North Central Div.	148.3	103.3
Ohio	54.3	39.1
Indiana	CC	6.4
Illinois	64.6	44.8
Michigan	14.0	7.1
Wisconsin	CC	5.8
West North Central Div.	29.6	14.6
Minnesota	EE	3.4
Iowa	11.9	8.6
Missouri	AA	(1)
South Region	52.5	21.1
South Atlantic Div.	14.2	(D)
Virginia	BB	(1)
North Carolina	CC	(D)
Georgia	AA	(1)
Florida	AA	1.5
East South Central Div.	7.6	(D)
Kentucky	BB	(1)
Tennessee	BB	(D)
West South Central Div.	30.7	(D)
Oklahoma	4.4	3.5
Texas	26.4	5.8
West Region	61.6	40.1
Mountain Div.	1.6	(D)
Pacific Div.	59.5	(D)
California	GG	(1)
MOTOR VEHICLE INSTRUMENTS, EXCEPT ELECTRIC (38214)		
United States	71.4	95.8
Northeast Region	3.2	6.2
Middle Atlantic Div.	3.2	(D)
New York	AA	3.1
New Jersey	AA	(D)
MOTOR VEHICLE INSTRUMENTS, EXCEPT ELECTRIC (38214)--Con.		
North Central Region	63.2	88.0
East North Central Div.	63.2	(D)
Illinois	EE	13.2
Michigan	GG	71.4
West Region	BB	(D)
Mountain Div.	AA	(D)
Colorado	AA	(D)
Pacific Div.	BB	(D)
California	BB	(D)
OTHER MECHANICAL MEASURING, CONTROL INSTRUMENTS (38216)		
United States	191.8	117.2
Northeast Region	70.6	50.2
New England Div.	36.2	33.7
New Hampshire	AA	(D)
Massachusetts	17.8	(1)
Rhode Island	BB	(1)
Connecticut	13.1	16.4
Middle Atlantic Div.	34.3	16.5
New York	10.3	2.1
New Jersey	12.2	7.2
Pennsylvania	11.9	7.2
North Central Region	81.0	46.4
East North Central Div.	GG	(D)
Ohio	18.9	17.5
Illinois	45.9	17.8
Michigan	CC	(D)
Wisconsin	8.0	6.4
South Region	10.8	4.7
South Atlantic Div.	2.5	(D)
North Carolina	AA	(D)
West South Central Div.	8.3	(D)
Texas	CC	3.0
West Region	29.4	15.9
Mountain Div.	11.6	(D)
Wyoming	AA	(D)
Colorado	CC	(D)
New Mexico	AA	(1)
Pacific Div.	17.9	(D)
Oregon	AA	(D)
California	EE	(1)
OPTICAL INSTRUMENTS, EXCEPT SIGHT/FIRE CONTROL EQUIPMENT (38311)		
United States	351.2	212.8
Northeast Region	208.4	123.1
New England Div.	112.2	54.7
New Hampshire	BB	(1)
Massachusetts	FF	(1)
Connecticut	GG	(1)
Middle Atlantic Div.	96.2	68.4
New York	77.4	53.4
New Jersey	7.6	5.1
Pennsylvania	11.2	9.9
OPTICAL INSTRUMENTS, EXCEPT SIGHT/FIRE CONTROL EQUIPMENT (38311)--Con.		
North Central Region	17.5	17.3
East North Central Div.	17.1	15.7
Ohio	AA	4.0
Illinois	12.5	10.6
Michigan	3.0	(1)
South Region	5.2	4.8
South Atlantic Div.	AA	(D)
West South Central Div.	3.1	(D)
Texas	BB	(D)
West Region	120.0	67.6
Pacific Div.	GG	(D)
California	GG	66.5
SIGHTING/FIRE CONTROL EQUIPMENT (OWN LENSES, PRISMS) (38312)		
United States	62.1	51.1
Northeast Region	24.8	23.9
New England Div.	EE	(D)
New Hampshire	BB	(1)
Massachusetts	CC	(1)
Middle Atlantic Div.	EE	(D)
New York	9.6	(1)
Pennsylvania	BB	(1)
North Central Region	5.5	4.3
East North Central Div.	CC	(D)
Michigan	BB	(1)
South Region	12.4	(D)
South Atlantic Div.	BB	(D)
West Virginia	BB	(1)
West South Central Div.	CC	(D)
Texas	CC	(1)
West Region	19.4	(D)
Pacific Div.	19.4	(D)
California	19.4	(1)
SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS (38410)		
United States	512.0	290.6
Northeast Region	193.0	114.4
New England Div.	66.7	30.0
Massachusetts	34.1	11.4
Connecticut	31.0	17.7
Middle Atlantic Div.	126.4	84.4
New York	64.6	45.6
New Jersey	32.3	24.3
Pennsylvania	29.6	14.5
North Central Region	178.1	107.0
East North Central Div.	128.7	75.0
Ohio	11.1	7.9
Indiana	31.8	27.7
Illinois	60.3	22.9
Michigan	3.7	3.1
Wisconsin	21.9	13.4

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS (38410--Con.		
North Central Region--Con.		
West North Central Div....	49.4	32.0
Minnesota	AA	1.2
Missouri	CC	(1)
Nebraska	FF	(1)
South Region	70.8	29.1
South Atlantic Div.	33.5	(D)
Maryland	CC	(1)
Virginia	BB	(D)
North Carolina	BB	(D)
Georgia	2.3	(1)
Florida	19.7	(1)
East South Central Div....	30.9	(D)
Tennessee	FF	7.5
Mississippi	EE	(1)
West South Central Div....	6.3	(D)
Arkansas	CC	(D)
West Region	70.0	40.0
Mountain Div.	2.2	1.1
Colorado	1.6	(1)
Pacific Div.	67.8	38.9
Washington	1.8	(D)
California	66.0	38.3
SURGICAL AND ORTHOPEDIC APPLIANCES AND SUPPLIES (38421)		
United States	475.1	318.2
Northeast Region	170.2	138.6
New England Div.	33.7	30.1
Massachusetts	CC	3.5
Rhode Island	BB	(1)
Connecticut	23.8	22.9
Middle Atlantic Div.	136.5	108.5
New York	35.0	26.2
New Jersey	GG	(1)
Pennsylvania	FF	(1)
North Central Region....	187.3	121.8
East North Central Div....	144.3	109.4
Ohio	21.7	12.3
Indiana	12.5	3.7
Illinois	93.3	81.5
Michigan	EE	7.5
Wisconsin	CC	4.3
West North Central Div....	43.0	12.4
Minnesota	EE	3.9
Missouri	21.4	7.3
South Region	82.1	37.2
South Atlantic Div.	36.1	21.9
North Carolina	3.1	1.8
South Carolina	FF	(1)
East South Central Div....	EE	9.6
Kentucky	EE	(1)
Tennessee	2.2	(1)
West South Central Div....	FF	5.7
Texas	FF	5.1
SURGICAL AND ORTHOPEDIC APPLIANCES AND SUPPLIES (38421)--Con.		
West Region	35.4	20.6
Mountain Div.	6.2	1.2
Colorado	AA	(D)
Utah	BB	(D)
Pacific Div.	29.3	19.4
California	28.2	18.7
PERSONAL INDUSTRIAL SAFETY DEVICES (38423)		
United States	144.4	97.4
Northeast Region	80.2	64.7
New England Div.	24.0	18.8
Massachusetts	9.0	(1)
Rhode Island	CC	(1)
Connecticut	CC	(1)
Middle Atlantic Div.	56.2	45.9
New York	11.3	11.1
New Jersey	4.6	4.6
Pennsylvania	40.3	30.2
North Central Region....	30.2	17.8
East North Central Div....	26.4	16.6
Ohio	BB	5.3
Illinois	12.5	(D)
Michigan	7.9	(1)
West North Central Div....	3.8	1.2
Missouri	BB	(D)
Kansas	AA	(D)
South Region	11.9	7.1
South Atlantic Div.	CC	(D)
Delaware	CC	(D)
North Carolina	AA	(D)
East South Central Div....	2.1	(D)
Kentucky	AA	(D)
West South Central Div....	AA	(D)
Arkansas	AA	(D)
West Region	22.1	7.7
Pacific Div.	FF	(D)
California	FF	(1)
OPHTHALMIC FRONTS AND TEMPLES (38511)		
United States	84.2	(NA)
Northeast Region	61.1	(NA)
New England Div.	17.9	(NA)
Massachusetts	EE	(NA)
Rhode Island	BB	(NA)
Middle Atlantic Div.	43.3	(NA)
New York	33.5	(NA)
New Jersey	8.0	(NA)
Pennsylvania	1.8	(NA)
North Central Region....	AA	(NA)
West North Central Div....	1.4	(NA)
Kansas	AA	(NA)
OPHTHALMIC FRONTS AND TEMPLES (38511)--Con.		
South Region	19.5	(NA)
South Atlantic Div.	EE	(NA)
Maryland	CC	(NA)
Virginia	AA	(NA)
Florida	CC	(NA)
West South Central Div....	BB	(NA)
Texas	BB	(NA)
West Region	AA	(NA)
Pacific Div.	AA	(NA)
California	AA	(NA)
OPHTHALMIC FOCUS LENSES, INCLUDING CONTACT LENSES (38512)		
United States	134.2	(NA)
Northeast Region	72.7	(NA)
New England Div.	GG	(NA)
Vermont	CC	(NA)
Massachusetts	FF	(NA)
Middle Atlantic Div.	EE	(NA)
New York	EE	(NA)
Pennsylvania	CC	(NA)
North Central Region....	22.2	(NA)
East North Central Div....	7.6	(NA)
Ohio	1.3	(NA)
Indiana	BB	(NA)
West North Central Div....	14.6	(NA)
Minnesota	10.6	(NA)
Missouri	3.3	(NA)
South Region	34.8	(NA)
South Atlantic Div.	30.5	(NA)
Virginia	CC	(NA)
South Carolina	CC	(NA)
Florida	EE	(NA)
West South Central Div....	BB	(NA)
Texas	BB	(NA)
West Region	4.5	(NA)
Pacific Div.	4.1	(NA)
Oregon	AA	(NA)
California	2.8	(NA)
ALL OTHER OPHTHALMIC GOODS (38513)		
United States	124.3	(NA)
Northeast Region	99.7	(NA)
New England Div.	59.0	(NA)
Massachusetts	45.1	(NA)
Rhode Island	CC	(NA)
Connecticut	CC	(NA)
Middle Atlantic Div.	40.6	(NA)
New York	23.4	(NA)
New Jersey	4.3	(NA)
Pennsylvania	13.0	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments		Product class and geographic area	Value of shipments		Product class and geographic area	Value of shipments	
	1967	1963		1967	1963		1967	1963
ALL OTHER OPHTHALMIC GOODS (38513)--Con.			ALL OTHER OPHTHALMIC GOODS (38513)--Con.			ALL OTHER OPHTHALMIC GOODS (38513)--Con.		
North Central Region....	19.4	(NA)	North Central Region--Con.			West Region.....	4.6	(NA)
East North Central Div....	12.8	(NA)	West North Central Div....	6.6	(NA)	Pacific Div.....	BB	(NA)
Illinois.....	11.1	(NA)	Minnesota.....	AA	(NA)	Washington.....	AA	(NA)
Michigan.....	1.4	(NA)	Missouri.....	4.3	(NA)	Oregon.....	AA	(NA)
						California.....	AA	(NA)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3811-	Engineering and scientific instruments	1,049.0	789.6	659.2	599.9	688.5	758.6	[2]685.5	(NA)
38111	Aeronautical, nautical, and navigational instruments; and automatic pilots[3]	585.5	388.4	312.0	275.6	410.6	509.9	536.9	(NA)
38112	Laboratory and scientific instruments	259.7	270.8	224.0	213.7	161.6	229.1	148.6	(NA)
38113	Surveying and drafting instruments and laboratory furniture	139.4	123.3	116.2	101.0	104.1			
38110	Engineering and scientific instruments, n.s.k.	64.4	7.1	7.1	9.6	12.3	19.7	(NA)	(NA)
3821-	Mechanical measuring devices	1,369.4	1,310.3	1,194.5	1,050.6	957.8	760.8	567.5	355.5
38211	Aircraft engine instruments, except flight	120.0	86.2	61.6	61.3	66.4	55.5	80.5	35.9
38212	Integrating meters, nonelectrical type	189.2	213.2	182.6	164.8	163.7	119.4	107.1	63.3
38213	Industrial process instruments	749.8	713.7	645.1	588.7	522.4	403.3	280.8	168.4
38214	Motor vehicle instruments, except electric	71.4	102.1	131.3	108.3	69.8	70.8	47.6	39.5
38216	Other mechanical measuring and controlling instruments	191.8	188.1	160.5	115.4	117.2	92.7	51.5	48.5
38210	Mechanical measuring devices, n.s.k.	47.2	6.8	13.3	12.1	18.3	19.1		
38220	Automatic temperature controls	523.6	514.9	466.5	460.3	431.6	319.9	159.7	100.6
3831-	Optical instruments and lenses	451.9	360.7	307.9	274.9	269.5	115.5	117.6	55.1
38311	Optical instruments and lenses, except sighting and fire-control equipment	353.8	317.0	266.3	235.7	212.8			
38312	Sighting and fire-control equipment made from lenses, prisms etc. produced at the same establishment	69.5	35.6	34.9	34.2	51.1	(NA)	(NA)	(NA)
38310	Optical instruments, except sighting fire control equipment	28.6	8.1	6.6	5.1	5.7			
38410	Surgical and medical instruments and apparatus	542.9	397.6	338.9	315.9	290.6	130.6	99.4	56.4
3842-	Surgical appliances and supplies	691.3	597.7	537.1	490.6	461.8	362.0	285.0	192.6
38421	Surgical, orthopedic, and prosthetic appliances and supplies	475.0	414.8	369.9	336.9	318.2	256.6	220.0	148.1
38423	Personal industrial safety devices	144.4	139.2	127.1	106.5	97.4	56.4	36.0	27.7
38424	Electronic hearing aids	40.9	36.6	36.0	36.6	35.3	39.5	29.0	6.9
38420	Surgical appliances and supplies, n.s.k.	31.1	7.1	4.2	10.6	11.0	9.6	(NA)	(NA)
38430	Dental instruments, equipment, and supplies	201.8	182.4	171.3	145.7	139.5	110.7	79.5	72.1
3851-	Ophthalmic goods	377.5	313.5	282.5	262.9	244.1	168.0	136.5	106.3
38511	Ophthalmic fronts and temples	84.2							
38512	Ophthalmic focus lenses, including contact lenses	134.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
38513	All other ophthalmic goods	124.3							
38510	Ophthalmic goods, n.s.k.	34.8							

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]The 1954 value of shipments does not include a total for product code 3811000, scientific instruments, n.s.k., estimated at less than $3 million.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See appendix, "Explanation of Terms")

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3811.--ENGINEERING AND SCIENTIFIC INSTRUMENTS					
	Materials, parts, containers, and supplies, total	.....	(X)	340.8	(X)	166.2
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	1.1	0.4	1.4	0.4
331012	Sheet and strip	...do.....	23.7	3.8	14.5	2.4
331013	Plates	...do.....	0.4	0.1	(1)	(1)
331015	Structural shapes	...do.....	0.6	0.2	0.4	0.1
331017	Wire and wire products	...do.....	(NA)	1.0	(1)	(1)
331019	All other carbon steel mill shapes and forms	...do.....			1 4.6	1 0.8
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	0.2	0.1	0.4	0.2
331029	All other alloy steel mill shapes and forms	...do.....	0.4	0.2	0.5	0.4
331031	Stainless steel	...do.....	2.2	3.6	1.3	1.9
	Copper and copper-base alloy:					
335728	Bar wire (for electrical conduction only)	Million lbs.....	0.3	0.2	0.1	0.2
335790	Insulated wire and cable	Million lbs..... (copper content)	0.5	1.0	0.8	0.5
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	0.6	0.4	0.5	0.3
335123	Plate, sheet, and strip (including military cups and discs)	...do.....			0.1	0.1
335127	Pipe and tube	...do.....	1.1	0.5	0.2	0.1
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	3.2	2.1	1.1	0.8
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do.....	0.7	0.6	0.4	0.3
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	0.3	0.3	0.5	0.4
	Castings (rough and semifinished):[2]					
332300	Steel	1,000 short tons.	0.7	1.0	0.6	0.4
336100	Aluminum and aluminum-base alloy	Million lbs.....	3.3	3.0	3.4	3.0
336200	Copper and copper-base alloy	...do.....	1.0	0.8	0.5	0.4
	Fractional horsepower electric motors (under 1 hp.):[2]					
362110	Timing motors, synchronous and subsynchronous	Millions.....	0.3	4.7	0.1	2.8
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	0.2	4.5	0.1	3.2
	Bearings:					
356218	Ball	.....	(X)	2.1	(X)	2.2
356201	Roller	.....				
367010	Electron tubes, except X-ray[2]	Million units....	0.8	1.7	0.1	0.3
367408	Solid state semiconductors[2]	...do.....	9.4	5.3	4.6	3.7
281995	Silicon hyper pure	kilogram.....	(X)	221.1	(X)	109.5
970099	All other materials and components, parts, containers, and supplies consumed	.....				
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	82.1	(X)	31.8
	INDUSTRY 3821.--MECHANICAL MEASURING DEVICES					
	Materials, parts, containers, and supplies, total	.....	(X)	436.3	(X)	358.3
	Mill shapes and forms (except castings)					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	17.1	5.5	12.7	3.5
331012	Sheet and strip	...do.....	10.3	2.8	19.3	4.6
331013	Plates	...do.....	2.3	0.6	3.5	0.7
331015	Structural shapes	...do.....	3.8	0.8	1.4	0.4
331017	Wire and wire products	...do.....	2.5	1.3	1.8	1.0
331019	All other carbon steel mill shapes and forms	...do.....	1.9	1.2	2.3	1.6
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....	1.3	0.7	0.4	0.4
331029	All other alloy steel mill shapes and forms	...do.....	0.5	0.4	1.4	1.2
331031	Stainless steel	...do.....	4.4	8.8	3.0	4.9
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs.....	0.9	1.4		
335790	Insulated wire and cable	Million lbs. (copper content)	1.7	2.7	4.8	2.3
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....	8.0	5.2	10.3	4.7
335123	Plate, sheet, and strip (including military cups and discs)	...do.....	3.8	2.7	6.7	3.7
335127	Pipe and tube	...do.....	2.8	2.6	6.8	2.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See appendix, "Explanation of Terms")

Code	Material	Unit of measure	1967		1963	
			Quantity (millions of units)	Delivered cost (million dollars)	Quantity (millions of units)	Delivered cost (million dollars)
	INDUSTRY 2821.--MECHANICAL MEASURING DEVICES--Con.					
	Materials, parts, containers, and supplies--Con.					
	Mill shapes and forms (except castings):					
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	Million lbs	1.7	1.3	1.0	0.8
335205	Extruded shapes, (including extruded rod, bar, pope, tube, etc.)	...do	0.7	0.8	1.0	1.0
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do	1.8	1.5	4.1	2.6
	Castings (rough and semifinished):[2]					
332300	Steel	1,000 short tons	6.3	6.7	5.4	6.0
336100	Aluminum and aluminum-base alloy	Million lbs	20.9	17.7	17.0	12.5
336200	Copper and copper-base alloy	...do	11.0	9.1	16.1	11.5
	Fractional horsepower electric motors (under 1 hp.):[2]					
362110	Timing motors, synchronous and subsynchronous	Million units	0.7	6.0	0.2	3.2
362115	Other fractional horsepower electric motors (excluding timing motors)	...do	0.2	2.8	0.1	1.3
	Bearings:					
356218	Ball		(X)	1.4	(X)	0.8
356201	Roller		(X)	0.1	(X)	0.1
367010	Electron tubes, except X-ray[2]	Million units	1.1	1.8	1.8	2.5
367408	Solid state semiconductors[2]	...do	4.7	6.9	2.5	4.8
281995	Silicon, hyper-pure	10 Kilogram				
970099	All other materials and components, parts, containers, and supplies consumed		(X)	255.2	(X)	231.6
976000	Materials, parts, containers and supplies, n.s.k.[3]		(X)	88.3	(X)	48.2
	INDUSTRY 3822.--AUTOMATIC TEMPERATURE CONTROLS					
	Materials, parts, containers, and supplies, total		(X)	173.6	(X)	141.8
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	5.6	2.2	3.6	1.6
331012	Sheet and strip	...do	24.3	4.9	20.1	5.0
331013	Plates	...do				
331015	Structural shapes	...do			0.4	0.1
331017	Wire and wire products	...do	3.5	5.3	0.9	0.5
331019	All other carbon steel mill shapes and forms	...do			1.5	1.0
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do			0.2	0.3
331029	All other alloy steel mill shapes and forms	...do	3.0	3.7	0.3	0.4
331031	Stainless steel	...do			2.2	3.7
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Mil. lbs	(D)	(D)	0.3	0.3
335790	Insulated wire and cable	Mil. lbs. (copper content)	(D)	(D)	2.3	1.7
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Mil. lbs	10.0	6.1	14.2	6.3
335123	Plate, sheet, and strip (including military cups and discs)	...do	5.4	3.7	5.4	3.6
335127	Pipe and tube	...do	5.5	5.1	4.1	3.6
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	...do			1.1	0.8
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	8.5	3.3	2.3	1.5
335209	All other aluminum mill shapes and forms, (wire, rolled rod and bar, powder, welded tubing, etc.)	...do			4.7	1.2
	Castings (rough and semifinished):					
332300	Steel	1,000 short tons	(D)	(D)	0.7	0.5
336100	Aluminum and aluminum-base alloy	Mil. lbs	7.6	4.8	7.8	5.1
336200	Copper and copper-base alloy	...do	6.2	5.6	5.3	2.5
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	Number	3.2	4.3	3.5	2.7
362115	Other fractional horsepower electric motors (excluding timing motors)	...do			(Z)	0.4

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See appendix, "Explanation of Terms")

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3822. --AUTOMATIC TEMPERATURE CONTROLS--Continued					
	Materials, parts, containers, and supplies, total--Continued					
	Bearings:					
356218	Ball	.....	-	(Z)	(X)	0.1
356201	Roller	.....	-	-		
367010	Electron tubes, except X-ray	Mil. units	(D)	(D)	(D)	(D)
367408	Solid state semiconductors	...do	(D)	(D)	(D)	(D)
281995	Silcon, hyper pure	1 kilogram	-	-	(NA)	(NA)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	[4]100.8	(X)	[4]95.8
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	23.8	(X)	3.1
	INDUSTRY 3831.--OPTICAL INSTRUMENTS AND LENSES					
	Materials, parts, containers, and supplies, total	.....	(X)	109.8	(X)	53.1
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.				
331017	Wire and wire products	...do				
331019	All other carbon steel mill shapes and forms	...do				
	Alloy steel (except stainless):		2.0	1.8	1.3	1.6
331021	Bars and bar shapes	...do				
331029	All other alloy steel mill shapes and forms	...do				
331031	Stainless steel mill shapes and forms	...do				
	Aluminum and aluminum-base alloy:					
335205	Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	...do	1.3	1.4	0.5	0.4
335209	All other aluminum mill shapes and forms, (wire rolled rod and bar, powder, welded tubing, etc.)	...do	0.1	0.2	(Z)	(Z)
	Castings (rough and semifinished):[2]					
332011	Iron (gray and malleable)	1,000 short tons.	3.0	0.3	(D)	(D)
332300	Steel	...do	(D)	(D)	(D)	(D)
336100	Aluminum and aluminum-base alloy	Mil. lbs	4.5	3.6	0.5	0.8
336200	Copper and copper-base alloy	...do	(Z)	(Z)	(D)	(D)
970099	All other materials, and components, parts, containers, and supplies consumed	.....	(X)	[4]49.6	(X)	[4]35.0
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	52.9	(X)	15.3
	INDUSTRY 3842. --SURGICAL APPLIANCES AND SUPPLIES					
	Materials, parts, containers, and supplies, total	.....	(X)	266.5	(X)	175.8
209131	Cotton linters (net weight)	Million lbs	(NA)	1.0	2.3	0.5
221101	Cotton broadwoven fabrics (piece goods)	Million lin. yds.	(NA)	8.8	95.0	7.1
220149	Other broadwoven fabrics (piece goods)	...do	(NA)	2.4	2.4	1.8
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	205.5	(X)	144.5
976000	Materials, parts, containers and supplies, n.s.k.[3]	.....	(X)	48.8	(X)	21.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]For 1963, material codes 331013 and 331017 are combined with code 331019 to avoid disclosing the operations of individual companies.

[2]No data are available for the quantities of castings, fractional horsepower electric motors, electron tubes or solid state semiconductors produced and consumed in the same establishment.

[3]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[4]Includes the cost of those materials for which the symbol "D" appears.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Mechanical measuring devices (SIC 3821)
	Cost of purchased fuels and electric energy, total....	Million dollars.	8.2
	Cost of purchased fuels, total.....	Million dollars.	2.3
121005	Coal (anthracite, bituminous, and lignite):		
	Quantity.....	1,000 short tons	-
	Cost.....	Million dollars.	-
331212 331213	Coke, screenings, and breeze:		
	Quantity.....	1,000 short tons	-
	Cost.....	Million dollars.	-
	Fuel oil, total:		
	Quantity.....	1,000 barrels...	(X)
	Cost.....	Million dollars.	(Z)
291141	Distillate:		
	Quantity.....	1,000 barrels...	(X)
	Cost.....	Million dollars.	(Z)
291151	Residual:		
	Quantity.....	1,000 barrels...	-
	Cost.....	Million dollars.	-
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-- furnace, coke-oven, and other gas):		
	Quantity.....	Million cu. ft..	(X)
	Cost.....	Million dollars	(Z)
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	Million dollars.	(Z)
	Fuels, NSK.....	Million dollars.	2.2
	Purchased electric energy:		
	Quantity.....	Million kw.-hrs.	399.2
	Cost.....	Million dollars.	5.9
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs.	0.6
	Total energy used for heat and power[1].....	Million kw.-hrs. equivalent.....	1,582.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not available. (Z) Less than $50 thousand. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3811	ENGINEERING AND SCIENTIFIC INSTRUMENTS										
	ENTIRE INDUSTRY	677	46.1	327.1	31.4	64.0	191.2	617.4	405.5	1 000.8	21.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	628	38.4	273.2	26.3	52.9	159.2	519.0	349.2	851.4	18.2
38111	AERONAUTICAL, NAUTICAL, NAVIGATIONAL INSTRUMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	71	17.4	134.7	11.6	24.0	79.3	265.2	155.0	416.1	7.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	57	14.0	109.9	9.2	19.1	63.7	225.0	134.0	356.8	5.9
38112	LABORATORY AND SCIENTIFIC INSTRUMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	213	15.6	112.5	10.3	20.8	62.6	212.0	145.5	346.3	8.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	190	13.9	99.7	9.2	18.4	54.8	188.6	127.5	306.4	7.5
38113	SURVEYING, DRAFTING INSTRUMENTS AND LAB FURNITURE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	63	7.8	45.0	5.8	12.0	29.1	86.0	65.1	148.1	4.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	52	4.9	28.9	3.7	7.3	18.6	54.7	47.7	101.0	2.7
3821	MECHANICAL MEASURING DEVICES										
	ENTIRE INDUSTRY	661	72.9	520.8	45.9	89.9	268.9	972.0	497.3	1 455.1	45.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	594	54.7	402.0	33.6	66.4	201.0	736.6	397.0	1 123.0	38.0
38211	AIRCRAFT ENGINE INSTRUMENTS, EXCEPT FLIGHT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	16	8.0	51.2	4.9	8.7	25.5	88.4	38.6	126.1	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	11	2.3	18.3	1.5	3.1	8.8	27.3	12.1	37.4	1.6
38212	INTEGRATING METERS, NONELECTRICAL TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	30	7.1	48.6	5.4	10.2	30.1	130.9	73.8	202.4	5.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	26	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38213	INDUSTRIAL PROCESS INSTRUMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	184	44.4	329.0	26.6	53.0	160.2	577.1	291.5	862.3	29.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	142	32.5	249.2	18.5	37.3	113.6	413.8	214.9	625.5	24.0
38214	MOTOR VEHICLE INSTRUMENTS, EXCEPT ELECTRIC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	12	1.7	11.5	1.2	2.4	7.5	23.2	14.2	37.7	.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38216	OTHER MECHANICAL MEASURING, CONTROL INSTRUMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	83	8.4	60.6	5.3	11.2	32.5	116.0	58.2	169.8	4.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	70	5.7	40.2	3.1	6.4	18.2	74.8	46.7	119.4	3.2
3822	AUTOMATIC TEMPERATURE CONTROLS										
	ENTIRE INDUSTRY	105	31.4	210.8	22.6	45.2	131.1	419.7	193.9	618.0	13.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	91	21.2	142.4	15.8	31.7	91.4	300.7	130.7	433.8	8.4
3831	OPTICAL INSTRUMENTS AND LENSES										
	ENTIRE INDUSTRY	303	20.8	163.0	13.2	27.6	86.1	283.7	130.3	406.9	15.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	284	16.5	130.9	11.2	22.8	73.9	233.9	103.3	327.3	14.1
38311	OPTICAL INSTRUMENTS, EXC. SIGHT/FIRE CONT. EQPT.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	117	16.7	137.3	10.2	21.7	69.5	231.5	105.5	330.6	13.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	98	11.3	97.1	7.4	15.3	52.8	169.7	71.0	232.6	10.7
38312	SIGHTING/FIRE CONT. EQUIP. (OWN LENSES, PRISMS)										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	1.8	12.8	1.2	2.5	7.7	25.0	10.8	34.8	.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	5	1.1	8.0	.7	1.4	4.3	15.7	7.5	23.3	.4

See footnotes at end of table.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967–Continued

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3841	SURGICAL AND MEDICAL INSTRUMENTS										
	ENTIRE INDUSTRY	321	22.0	139.6	16.4	32.8	83.5	297.4	192.1	475.4	18.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	288	18.0	115.0	13.7	27.1	68.7	244.1	160.6	394.0	17.1
3842	SURGICAL APPLIANCES AND SUPPLIES										
	ENTIRE INDUSTRY	811	35.2	220.3	24.6	48.0	125.7	527.2	324.5	837.9	30.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	752	26.1	161.2	18.4	35.6	91.4	357.1	208.9	556.0	20.8
38421	SURGICAL AND ORTHOPEDIC APPLIANCES AND SUPPLIES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	279	23.0	146.0	15.9	31.7	85.5	378.6	230.0	597.6	25.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	240	15.7	97.3	11.2	22.1	57.6	226.9	130.7	349.5	16.7
38423	PERSONAL INDUSTRIAL SAFETY DEVICES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	61	7.4	45.3	5.1	9.8	24.7	89.7	62.4	150.2	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	43	6.3	40.2	4.2	8.3	21.4	78.2	51.4	128.2	2.5
38424	ELECTRONIC HEARING AIDS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	19	2.1	14.4	1.2	2.3	6.3	31.8	15.7	46.7	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3843	DENTAL EQUIPMENT AND SUPPLIES										
	ENTIRE INDUSTRY	334	10.2	67.4	7.3	14.3	38.3	141.0	82.8	220.5	4.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	328	9.6	62.8	6.9	13.7	36.5	133.9	75.7	206.5	4.0
3851	OPHTHALMIC GOODS										
	ENTIRE INDUSTRY	461	25.6	143.4	20.7	41.1	103.4	286.4	144.1	426.0	14.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	455	19.1	100.5	15.7	31.0	73.3	218.1	117.1	335.6	(D)
38511	OPHTHALMIC FRONTS AND TEMPLES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	41	4.1	20.5	3.3	6.3	14.0	39.6	23.3	63.3	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	33	3.1	15.5	2.4	4.6	10.3	26.8	16.8	44.1	1.1
38512	OPHTHALMIC FOCUS LENSES, INCLUDING CONTACT LENSES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	83	8.5	45.2	7.1	14.3	34.4	109.2	45.4	155.8	5.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	71	4.2	21.3	3.5	7.1	15.6	45.5	18.5	65.3	1.0
38513	ALL OTHER OPHTHALMIC GOODS (PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	60	10.9	67.3	8.6	17.1	46.7	119.6	62.4	175.9	7.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	49	4.0	21.7	3.3	6.5	15.3	46.8	32.8	78.3	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

PHOTOGRAPHIC EQUIPMENT; CLOCKS, WATCHES, AND WATCHCASES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3861--Photographic Equipment and Supplies
3871--Watches, Clocks, Clockwork Operated Devices, and Parts Except Watchcases
3872--Watchcases

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3861--PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

This industry comprises establishments primarily engaged in manufacturing (1) photographic apparatus, equipment, parts, attachments, and accessories, such as still and motion picture cameras and projection apparatus; photocopy and microfilm equipment; blueprinting and diazotype (white printing) apparatus and equipment; and other photographic equipment; and (2) sensitized film, paper, cloth, and plates, and prepared photographic chemicals for use therewith. Establishments primarily engaged in manufacturing photographic paper stock (unsensitized), and paper mats, mounts, easels and folders for photographic use are classified in Major Group 26; photographic lenses in industry 3831; photographic glass in Major Group 32; chemicals for technical purposes, not specifically prepared and packaged for use in photography, in Major Group 28; and photographic flash, flood enlarger and projection lamps in industry 3641. For a detailed list of products of industry 3861, refer to table 6A, product codes 3861111 to 3861811.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Photographic Equipment and Supplies Industry in 1967 totaled $3,664 million. This included shipments of photographic equipment and supplies (primary products), valued at $3,048 million, shipments of other products (secondary products) valued at $145 million, and miscellaneous receipts (mainly products bought and resold without further manufacture) of $471 million.

This industry's shipments of photographic equipment and supplies (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 95 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8.

Approximately 40 percent of the total industry shipments are represented by plants specializing in product class 38615, photographic sensitized film and plates; and 25 percent in 38611, Still picture equipment.

Industry 3861 shipments of photographic equipment and supplies (primary products) in 1967 represented 97 percent (coverage ratio) of these products valued at $3,138 million shipped by all industries. In 1963, the coverage ratio was also 97 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3861, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3871--WATCHES, CLOCKS, CLOCKWORK OPERATED DEVICES, AND PARTS EXCEPT WATCHCASES

This industry comprises establishments primarily engaged in manufacturing clocks (including electric), watches, mechanisms for clockwork operated devices, and clock and watch parts. This industry includes establishments primarily engaged in assembling clocks and watches from purchased movements and cases. Establishments primarily engaged in manufacturing watchcases are classified in industry 3872, glass crystals in industry 3231, and unbreakable crystals in industry 3079. For a detailed list of products of industry 3871, refer to table 6A, product codes 3871111 to 3871589.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Watches and Clocks Industry in 1967 totaled $746 million. This included shipments of watches and clocks (primary products), valued at $599 million, shipments of other products (secondary products) valued at $108 million, and miscellaneous receipts of $39 million.

This industry's shipments of watches and clocks (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 82 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 47 percent of the total industry shipments are represented by plants specializing in product class 38711, Clocks; and 30 percent in 38714, Watches with imported movements.

Industry 3871 shipments of watches and clocks (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $664 million shipped by all industries. In 1963, the coverage ratio was 95 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3871, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3872--WATCHCASES

This industry comprises establishments primarily engaged in manufacturing watchcases. For a detailed list of products of industry 3872, refer to table 6A, product codes 3872011 to 3872065.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Watchcases Industry in 1967 totaled $56 million. This included shipments of watchcases (primary products), valued at $43 million, shipments of other products (secondary products) valued at $12 million, and miscellaneous receipts of $1 million.

This industry's shipments of watchcases (primary products) in 1967 represented 78 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 86 percent.

Industry 3872 shipments of watchcases (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $45 million shipped by all industries. In 1963, the coverage ratio was 97 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3872, these establishments accounted for less than 1 percent of payroll and 1 percent of value added by manufacture

TABLE 1A. General Statistics: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3861.--PHOTOGRAPHIC EQUIPMENT AND SUPPLIES													
1967 Census....	557	214	94.9	820.2	56.2	112.1	401.3	2,480.7	1,203.3	3,664.5	217.9	568.6	95	97
1966 ASM[1].....	(NA)	(NA)	84.3	710.9	55.3	109.2	377.3	2,282.0	1,099.9	3,285.7	148.4	524.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	70.5	599.8	45.4	91.9	313.5	1,773.2	825.9	2,552.8	98.9	375.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	66.6	532.7	41.0	81.8	272.2	1,485.5	631.6	2,091.2	46.0	319.8	(NA)	(NA)
1963 Census....	538	187	64.9	498.8	39.2	77.8	251.6	1,270.1	580.5	1,851.2	78.6	289.5	95	97
1962 ASM[1].....	(NA)	(NA)	59.4	440.0	35.6	70.6	223.0	1,098.1	573.5	1,635.9	57.2	260.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	61.2	427.8	37.0	73.0	217.8	987.0	521.5	1,517.8	49.2	244.3	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	62.4	418.8	38.9	76.5	219.0	978.9	505.6	1,467.0	60.0	243.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	56.1	376.9	35.2	70.6	199.9	876.8	450.7	1,318.0	47.1	214.1	(NA)	(NA)
1958 Census[2]...	480	159	60.3	369.0	38.5	74.3	201.6	788.7	412.3	1,204.9	46.8	204.2	94	94
	INDUSTRY 3871.--WATCHES AND CLOCKS													
1967 Census....	176	84	31.5	187.9	24.5	49.6	122.9	361.6	393.7	746.5	9.5	176.8	85	
1966 ASM[1].....	(NA)	(NA)	29.9	172.2	22.8	45.3	112.7	366.6	328.0	669.4	9.8	153.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	28.5	156.7	22.0	43.7	101.8	335.1	292.2	611.8	7.3	118.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	27.2	147.9	20.7	41.5	96.6	313.1	253.3	553.2	6.9	105.1	(NA)	(NA)
1963 Census....	167	76	27.0	144.2	21.0	41.2	92.4	288.1	230.3	511.2	8.7	89.5	82	95
1962 ASM[1].....	(NA)	(NA)	24.0	127.7	18.1	35.4	77.9	240.1	191.6	427.3	*8.0	89.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	22.4	118.1	16.4	32.6	71.2	219.7	187.1	403.1	*9.4	87.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	24.7	124.4	18.7	36.0	76.0	225.7	189.7	408.5	*5.1	86.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	25.4	125.1	20.2	40.0	81.5	240.8	180.7	406.7	*4.6	81.2	(NA)	(NA)
1958 Census[2]...	168	65	23.5	106.7	18.3	36.1	70.8	165.2	158.3	334.9	4.6	60.5	88	95
	INDUSTRY 3872.--WATCHCASES													
1967 Census....	47	19	3.7	21.1	3.1	5.6	16.6	31.3	23.8	55.6	0.9	8.3	78	
1966 ASM[1].....	(NA)	(NA)	4.1	21.7	3.6	7.0	17.8	34.7	24.1	58.1	0.9	9.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	3.5	18.5	3.0	6.1	15.0	27.8	18.5	45.0	*0.5	8.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	2.8	14.0	2.4	4.7	11.0	18.9	14.0	33.5	*0.5	4.2	(NA)	(NA)
1963 Census....	53	22	2.7	13.4	2.3	4.5	10.4	19.2	13.4	33.6	0.5	5.9	86	97
1962 ASM[1].....	(NA)	(NA)	2.3	11.6	2.0	3.9	9.1	12.0	11.5	24.6	(Z)	5.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	2.1	10.4	1.8	3.3	8.1	10.3	9.8	22.2	(Z)	4.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	2.6	12.5	2.3	4.4	9.8	14.6	12.8	29.4	(S)	6.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	3.1	14.7	2.7	5.3	11.3	20.5	16.3	35.7	(S)	7.8	(NA)	(NA)
1958 Census[2]...	61	24	2.7	12.6	2.2	4.4	9.4	18.4	14.8	34.7	(Z)	7.3	80	98

Note: In 1967, 1963, and 1958, the number of companies in industry 3861 was 505, 499, and 450, respectively; in industry 3871: 153, 150, and 153; industry 3872: 45, 51, and 58. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to aboid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistence review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3861.--PHOTOGRAPIC EQUIPMENT AND SUPPLIES								
1967 Census	8,649	59	1,994	3.58	.33	.55	26,182	33	22.19
1966 ASM	8,436	66	1,973	3.46	.33	.55	27,078	31	20.90
1965 ASM	8,504	64	2,026	3.41	.32	.56	25,138	34	19.30
1964 ASM	7,998	62	1,994	3.33	.30	.56	22,302	36	18.17
1963 Census	7,682	60	1,981	3.24	.31	.58	19,559	39	16.34
1962 ASM	7,404	60	1,984	3.16	.35	.62	18,478	40	15.55
1961 ASM	6,988	60	1,971	2.99	.34	.63	16,121	43	13.53
1960 ASM	6,710	62	1,968	2.86	.34	.63	15,683	43	12.80
1959 ASM	6,719	63	2,005	2.83	.34	.63	15,629	43	12.41
1958 Census	6,123	64	1,927	2.71	.34	.65	13,089	47	10.62
	INDUSTRY 3871.--WATCHES AND CLOCKS								
1967 Census	5,957	78	2,022	2.48	.53	.78	11,466	52	7.29
1966 ASM	5,754	76	1,984	2.49	.49	.75	12,251	47	8.09
1965 ASM	5,491	77	1,987	2.33	.48	.73	11,744	47	7.67
1964 ASM	5,441	76	2,001	2.33	.46	.73	11,519	47	7.55
1963 Census	5,331	78	1,962	2.24	.45	.73	10,650	50	7.00
1962 ASM	5,316	75	1,963	2.20	.45	.75	9,994	53	6.78
1961 ASM	5,265	73	1,988	2.18	.46	.76	9,793	54	6.74
1960 ASM	5,043	76	1,923	2.11	.46	.77	9,148	55	6.26
1959 ASM	4,919	79	1,983	2.04	.44	.75	9,469	52	6.02
1958 Census	4,541	78	1,971	1.96	.47	.79	7,027	65	4.58
	INDUSTRY 3872.--WATCHCASES								
1967 Census	5,756	85	1,805	2.95	.43	.81	8,531	67	5.56
1966 ASM	5,310	88	1,977	2.51	.41	.79	8,505	62	4.89
1965 ASM	5,281	86	2,023	2.45	.41	.82	7,917	67	4.53
1964 ASM	5,036	85	1,962	2.37	.42	.84	6,796	74	4.07
1963 Census	4,958	85	1,976	2.28	.40	.80	7,102	70	4.23
1962 ASM	5,079	88	1,958	2.30	.47	.94	5,232	97	3.05
1961 ASM	4,980	87	1,837	2.43	.44	.91	4,950	101	3.09
1960 ASM	4,719	89	1,862	2.26	.44	.86	5,530	85	3.35
1959 ASM	4,728	85	1,981	2.16	.46	.87	6,601	72	3.90
1958 Census	4,741	84	1,954	2.17	.43	.79	6,937	68	4.23

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3861-- PHOTOGRAPHIC EQUIPMENT & SUPPLIES													
UNITED STATES	557	214	94.9	820.3	56.2	112.1	401.3	2 480.7	1 203.3	3 664.5	217.9	64.9	1 270.1
NORTHEAST REGION	232	97	67.5	634.2	37.0	73.8	294.6	2 034.2	852.1	2 867.8	185.6	48.8	1 034.1
NEW ENGLAND DIVISION	36	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.3	81.6
MASSACHUSETTS	23	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.0	78.3
CONNECTICUT	11	4	.3	2.1	.2	.5	1.2	4.5	2.8	7.3	.3	(D)	(D)
MIDDLE ATLANTIC DIVISION	196	83	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	43.5	952.5
NEW YORK	137	59	54.9	534.3	29.6	58.8	247.6	1 706.4	629.9	2 314.6	(D)	39.4	882.6
NEW JERSEY	40	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.7	65.9
PENNSYLVANIA[e]	19	8	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	4.0
NORTH CENTRAL REGION	156	62	15.1	110.1	10.1	20.5	59.3	260.3	219.7	471.3	15.4	10.7	177.9
EAST NORTH CENTRAL DIVISION	129	53	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.7	163.9
OHIO	17	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.7
INDIANA	11	5	1.2	8.1	.8	1.7	4.7	46.5	33.9	79.6	(D)	[2](D)	[2] (D)
ILLINOIS	77	36	11.0	83.6	7.2	14.9	44.3	156.8	140.8	292.2	8.7	7.8	101.6
MICHIGAN	17	3	.3	1.7	.2	.4	.9	3.2	4.7	7.9	(D)	[2](D)	[2](D)
WISCONSIN	7	5	.6	2.7	.5	.8	1.7	5.7	2.9	8.7	.6	.3	1.4
WEST NORTH CENTRAL DIVISION	27	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	14.0
MINNESOTA	11	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	49	14	5.9	27.0	4.9	9.4	18.9	87.5	64.7	152.7	(D)	1.5	11.3
SOUTH ATLANTIC DIVISION	28	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
VIRGINIA	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.7
NORTH CAROLINA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	(D)
SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA[e]	11	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	15	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
LOUISIANA[e]	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	11	3	.2	1.0	.1	.3	.7	1.8	2.4	4.2	.2	.1	.9
WEST REGION	120	41	6.4	48.8	4.2	8.4	28.5	98.7	66.8	172.6	(D)	3.9	46.9
MOUNTAIN DIVISION	12	5	.4	2.4	.3	.6	1.7	1.3	2.5	6.4	.1	.2	2.2
ARIZONA[e]	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	108	36	61	46.5	3.9	7.7	26.8	97.4	64.3	166.2	(D)	3.7	44.7
OREGON	4	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	100	33	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3871-- WATCHES AND CLOCKS													
UNITED STATES	176	84	31.5	187.9	24.5	49.6	122.9	361.6	393.7	746.5	9.5	27.0	288.1
NORTHEAST REGION	112	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	14.1	168.1
NEW ENGLAND DIVISION	28	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	8	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.3	45.2
CONNECTICUT	20	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.9	44.1
MIDDLE ATLANTIC DIVISION	84	34	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	68	23	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	56.3
NEW JERSEY	10	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	6	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	35	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	32	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	21	10	5.3	30.5	4.0	7.7	21.0	57.0	61.4	116.9	1.4	6.4	61.1
WISCONSIN	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	19	14	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	8	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NORTH CAROLINA	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	6	1.9	7.1	1.6	3.2	5.8	18.4	17.0	35.0	.5	(D)	(D)
TENNESSEE	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ALABAMA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TEXAS	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3872-- WATCHCASES													
UNITED STATES	47	19	3.7	21.1	3.1	5.6	16.6	31.3	23.8	55.6	.9	2.7	19.2
NORTHEAST REGION	45	18	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.4	17.8
NEW ENGLAND DIVISION	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
RHODE ISLAND	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	43	16	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	41	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST NORTH CENTRAL DIVISION	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MICHIGAN	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Photographic equipment and supplies (SIC 3861)	Watches and clocks (SIC 3871)	Watchcases (SIC 3872)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.95	.85	.78
COVERAGE RATIO[2]	.97	.90	.96
ESTABLISHMENTS, TOTAL .NUMBER	557	176	47
WITH 1 TO 19 EMPLOYEES .DO	343	92	28
WITH 20 TO 99 EMPLOYEES .DO	133	38	12
WITH 100 EMPLOYEES OR MORE .DO	81	46	7
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	94.9	31.5	3.7
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	820.2	187.9	21.1
PRODUCTION WORKERS:			
AVERAGE FOR YEAR 1,000	56.2	24.5	3.1
MARCH .DO	55.8	23.8	3.1
MAY .DO	55.8	23.9	3.2
AUGUST .DO	56.9	25.0	3.2
NOVEMBER .DO	56.2	25.5	3.0
MAN-HOURS .MILLIONS	112.1	49.6	5.6
JANUARY-MARCH .DO	28.4	12.1	1.4
APRIL-JUNE .DO	28.0	12.3	1.5
JULY-SEPTEMBER .DO	27.1	12.1	1.4
OCTOBER-DECEMBER .DO	28.6	13.2	1.4
WAGES MILLION DOLLARS	401.3	122.9	16.6
COST OF MATERIALS, ETC., TOTAL .DO	1 203.3	393.7	23.8
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	1 013.2	376.7	21.6
COST OF RESALES .DO	149.6	13.0	.1
FUELS CONSUMED .DO	9.5	.7	.1
PURCHASED ELECTRIC ENERGY .DO	9.3	1.9	.4
CONTRACT WORK .DO	21.6	1.5	1.7
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	3 664.5	746.5	55.6
VALUE OF RESALES .DO	267.3	17.0	.1
VALUE ADDED BY MANUFACTURE .DO	2 480.7	361.6	31.3
MANUFACTURERS' INVENTORIES:			
BEGINNING OF YEAR, TOTAL .DO	524.5	163.3	8.8
FINISHED PRODUCTS .DO	174.3	63.1	1.2
WORK IN PROCESS .DO	194.0	72.6	5.5
MATERIALS, SUPPLIES, FUEL, ETC. .DO	156.2	27.5	2.1
END OF YEAR, TOTAL .DO	568.6	176.8	8.3
FINISHED PRODUCTS .DO	192.4	62.5	1.5
WORK IN PROCESS .DO	196.1	82.1	4.8
MATERIALS, SUPPLIES, FUEL, ETC. .DO	180.2	32.2	2.0
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	219.2	10.1	1.1
NEW PLANT AND EQUIPMENT, TOTAL .DO	217.9	9.5	.9
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	89.8	1.7	.1
NEW MACHINERY AND EQUIPMENT .DO	128.1	7.8	.8
USED PLANT AND EQUIPMENT .DO	1.2	.6	.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3861-- PHOTOGRAPHIC EQUIPMENT & SUPPLIES											
ESTABLISHMENTS, TOTAL	557	94.9	820.2	56.2	112.1	401.3	2 480.7	1 203.3	3 664.6	217.8	568.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	193	.3	2.0	.3	.5	1.3	4.7	3.5	8.2	[2].1	1.4
5 TO 9 EMPLOYEES[e]	71	.5	3.5	.4	.6	1.9	6.5	4.8	11.2	.2	1.6
10 TO 19 EMPLOYEES	79	1.1	7.0	.8	1.5	4.5	14.9	11.5	26.4	.6	3.0
20 TO 49 EMPLOYEES	81	2.6	17.6	1.9	3.8	10.4	35.2	28.5	64.8	2.9	9.8
50 TO 99 EMPLOYEES	52	3.7	25.9	2.6	5.3	14.5	61.1	52.6	111.6	2.0	17.5
100 TO 249 EMPLOYEES	35	5.5	38.1	3.6	7.6	21.0	79.7	81.8	160.5	4.7	33.7
250 TO 499 EMPLOYEES	20	7.3	45.5	4.8	9.4	25.3	100.4	84.2	183.8	7.4	39.1
500 TO 999 EMPLOYEES	10	6.5	48.8	3.6	7.3	22.4	197.3	137.6	325.8	23.8	58.0
1,000 TO 2,499 EMPLOYEES	9	13.4	106.9	7.8	15.5	56.8	172.4	145.1	320.3	15.1	88.4
2,500 EMPLOYEES OR MORE	7	54.0	525.0	30.4	60.7	243.2	1 808.5	653.7	2 452.0	161.0	316.0
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	194	.4	2.4	.4	.6	1.6	5.4	3.8	9.2	.1	1.7
3871-- WATCHES AND CLOCKS											
ESTABLISHMENTS, TOTAL	176	31.5	187.9	24.5	49.6	122.9	361.6	393.7	746.5	9.5	176.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	62	.1	.6	.1	.2	.4	1.7	1.1	2.8	[2].1	.5
5 TO 9 EMPLOYEES	17	.1	.9	.1	.2	.4	3.4	6.6	9.7	.7	2.1
10 TO 19 EMPLOYEES	13	.2	1.1	.1	.3	.8	2.7	4.8	7.3	(D)	1.6
20 TO 49 EMPLOYEES	25	.8	5.0	.6	1.1	2.9	9.2	19.1	28.8	(D)	6.2
50 TO 99 EMPLOYEES	13	1.0	4.9	.8	1.5	3.2	12.8	12.0	24.7	1.1	4.1
100 TO 249 EMPLOYEES	16	2.9	15.8	2.1	4.1	8.8	31.3	33.2	64.1	(D)	16.7
250 TO 499 EMPLOYEES	16	6.0	37.4	4.3	9.4	21.3	69.3	82.4	151.5	2.4	42.2
500 TO 999 EMPLOYEES	8	6.0	30.0	4.8	10.2	22.4	104.2	60.3	161.0	2.0	22.6
1,000 TO 2,499 EMPLOYEES	3	5.4	33.6	4.4	8.7	24.6	40.7	40.9	86.2	1.4	24.8
2,500 EMPLOYEES OR MORE	3	9.0	58.6	7.2	13.9	38.1	86.3	133.5	210.5	1.8	55.9
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	61	.1	.6	.1	.2	.4	1.6	1.2	2.7	.1	.6
3872-- WATCHCASES											
ESTABLISHMENTS, TOTAL	47	3.7	21.1	3.1	5.6	16.6	31.3	23.8	55.6	.9	8.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	16	(Z)	.1	(Z)	(Z)	.1	.2	.2	.4	-	.1
5 TO 9 EMPLOYEES[e]	6	(Z)	.3	(Z)	(Z)	.2	.5	.8	1.4	(Z)	.1
10 TO 19 EMPLOYEES	6	.1	.4	.1	.1	.3	.7	.6	1.3	(D)	.1
20 TO 49 EMPLOYEES	4	.1	.9	.1	.3	.7	1.5	1.1	2.6	(D)	.3
50 TO 99 EMPLOYEES	8	.6	4.2	.5	.9	3.0	6.4	4.8	11.1	.3	1.3
100 TO 249 EMPLOYEES	3	.5	2.4	.4	.8	2.1	3.8	1.8	5.6	(D)	.9
250 TO 499 EMPLOYEES	3	2.3	12.9	2.0	3.5	10.2	18.2	14.5	33.2	.7	5.4
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1]	16	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3861	Photographic equipment and supplies.....1967..	3,664.5	3,047.9	145.3	471.3	95	3,138.0	3,047.9	90.1	97
	1963..	1,851.2	1,578.4	78.8	194.1	95	1,631.4	1,578.4	53.0	97
3871	Watches and clocks.....1967..	746.5	599.2	108.3	39.0	85	663.5	599.2	64.3	90
	1963..	511.2	386.0	82.9	42.3	82	406.2	386.0	20.2	95
3872	Watchcases.....1967..	55.6	43.1	11.9	0.6	78	44.8	43.1	1.7	96
	1963..	33.6	28.4	4.5	0.7	86	29.4	28.4	1.0	97

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. rRevised.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Photographic equipment and supplies (SIC 3861)	Watches and clocks (SIC 3871)	Watchcases (SIC 3872)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	3,664.5	746.5	55.6	(X)
3861-	Photographic equipment and supplies.....	3,138.0	3,047.9	-	-	90.1
38611	Still picture equipment.....	484.8	464.7	-	-	20.1
38612	Photocopying equipment.....	620.2	(500-1,000)	-	-	(10-20)
38613	Motion picture equipment.....	194.3	184.2	-	-	10.1
38614	Microfilming, blueprinting, brownprinting and whiteprinting equipment.....	53.6	(20-50)	-	-	(10-20)
38615	Photographic sensitized film and plates.....	1,084.7	1,082.1	-	-	2.6
38616	Sensitized photographic paper and cloth, silver halide type.....	238.7	238.7	-	-	-
38617	Sensitized photographic paper and cloth, other than silver halide type.....	193.5	163.6	-	-	29.9
38618	Prepared photographic chemicals.....	148.3	146.4	-	-	1.9
38610	Photographic equipment and supplies, n.s.k.....	119.9	118.0	-	-	1.9
3871-	Watches and clocks.....	663.5	(20-50)	599.2	(5-10)	(20-50)
38711	Clocks.....	276.1	-	243.5	(5-10)	(20-50)
38714	Watches with imported movements.....	190.6	-	(100-200)	-	(under 2)
38715	Watches with domestic movements and parts for all clocks and watches.....	165.0	(20-50)	134.3	(under 2)	(under 2)
38710	Watches and clocks, n.s.k.....	31.8	-	(20-50)	-	(under 2)
38720	Watchcases.....	44.8	-	(under 2)	43.1	(under 2)
	Other product shipments by 4-digit product group					
1929-	Ammunition, except for small arms, n.e.c.....	(X)	(over 2)	(20-50)	-	(X)
1999-	Ordnance and accessories, n.e.c.....	(X)	(10-20)	-	-	(X)
2621-	Papermill products, except building paper.....	(X)	(5-10)	-	-	(X)
2645-	Die-cut paper and board.....	(X)	(under 2)	(over 2)	-	(X)
2649-	Converted paper products, n.e.c.....	(X)	(over 2)	-	-	(X)
2818-	Industrial organic chemicals, n.e.c.....	(X)	(2-5)	-	-	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Photographic equipment and supplies (SIC 3861)	Watches and clocks (SIC 3871)	Watchcases (SIC 3872)	Other industries
	Other product shipments by 4-digit product group--Con.					
3079-	Miscellaneous plastics products	(X)	(over 2)	-	-	(X)
3559-	Special industry machinery, n.e.c.	(X)	(over 2)	-	-	(X)
3579-	Office machines, n.e.c.	(X)	(over 2)	(over 2)	-	(X)
3611-	Electric measuring instruments	(X)	(2-5)	-	-	(X)
3621-	Motors and generators	(X)	-	11.8	-	(X)
3634-	Electric housewares and fans	(X)	(under 2)	(2-5)	-	(X)
3643-	Current-carrying wiring devices	(X)	(over 2)	(under 2)	-	(X)
3644-	Noncurrent-carrying wiring devices	(X)	(over 2)	-	-	(X)
3662-	Radio and TV communication equipment	(X)	7.6	(5-10)	-	(X)
3679-	Electronic components, n.e.c.	(X)	3.3	-	-	(X)
3811-	Engineering and scientific instruments	(X)	3.5	(5-10)	(under 2)	(X)
3831-	Optical instruments and lenses	(X)	13.2	-	-	(X)
3911-	Jewelry, precious metal	(X)	-	(5-10)	(under 2)	(X)
	All other secondary products[1]	(X)	117.7	96.5	11.9	(X)
	Miscellaneous receipts, total	(X)	471.3	39.0	0.6	(X)
93000	Contract work	(X)	11.9	(2-5)	-	(X)
99980	Sales of scrap and refuse	(X)	2.5	2.3	(under 2)	(X)
99980	Receipts for repair work	(X)	12.3	12.0	(under 2)	(X)
99980	Other miscellaneous receipts	(X)	177.3	(2-5)	(under 2)	(X)
99989	Resales	(X)	267.3	17.0	(under 2)	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3861-	2641 Coated and glazed paper	(10-20)
	2645 Die-cut paper and board	(over 2)
	2899 Chemical preparations, n.e.c.	(over 2)
	3291 Abrasive products	(over 2)
	3555 Printing trades machinery	2.3
	3611 Electric measuring instruments	(2-5)
	3662 Radio and TV communication equipment	(10-20)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products--Con.	
3861-	3679 Electronic components, n.e.c.	(2-5)
	3831 Optical instruments and lenses	4.3
3871-	1929 Ammunition, except for small arms, n.e.c.	(2-5)
	3621 Motors and generators	(2-5)
	3821 Mechanical measuring devices	2.0
	3822 Automatic temperature controls	(10-20)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e. g., (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3861- --	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES, TOTAL	.....	(X)	3,138.0	(X)	1,631.4
38611 --	Still picture equipment, total	.....	(X)	484.8	(X)	223.6
	Still cameras:					
	Hand-type cameras (excluding film, bulbs, batteries, etc., in outfits):					
38611 11	Suggested retail list price under $30.00	1,000 units...				
38611 13	Suggested retail list price of $30.00 or more but under $80.00	...do.....				
	Suggested retail price of $80.00 or over:		10,732.9	137.7	7,765.9	62.1
38611 15	Using film or paper, 35 mm. or under	...do.....				
38611 17	Using film or paper, over 35 mm., including sheet and pack film	...do.....				
	Process cameras for photoengraving and photolithography:[1]					
38611 22	Horizontal types, including overhead, all sizes	...do.....	2.3	4.6	2.3	4.7
38611 24	Vertical types, all sizes	...do.....	1.9	1.6		
38611 31	Other still cameras, including view and studio, designed primarily for tripod or stand, but excluding photocopying, microfilming, blueprinting, brownprinting and whiteprinting	...do.....	164.5	65.3	(NA)	23.1
	Flash units (except built-in):					
	Electronic (stroboscopic):					
38611 42	Portable, battery operated	...do.....			49.5	2.8
38611 45	Studio type	...do.....			0.8	0.4
			1,142.6	9.2		
38611 47	Nonelectronic (using disposable flashbulb)	...do.....			985.0	3.0
38611 10	Photographic exposure meters, complete, except built-ins	...do.....			(X)	1.2
	Projectors (with lenses of f/4.0 or faster) with suggested list price of $25.00 or more:					
38611 63	Slide film	...do.....	498.9	38.9	452.1	22.1
38611 68	Strip film, including combination slide and strip	...do.....	207.8	12.8	105.7	10.3
38611 69	Other, including overhead, opaque, etc	...do.....	103.7	16.8		
	Still picture commercial type finishing equipment:					
38611 73	Processing equipment--for film	.....	(X)	52.0		
38611 75	Processing equipment--for paper	.....			(X)	33.2
38611 79	All other processing equipment, including developing machines, continuous printing machines, and motor operated print washers and dryers	.....	(X)	35.7		
38611 81	Enlargers[2]	1,000 heads...	25.3	5.0	12.2	1.8
38611 98	Other still picture equipment, parts, attachments, and accessories, including projectors with lenses not as fast as f/4.0 and/or with suggested retail list price less than $25.00 and hand viewers (excluding lenses for sale separately and projection screens)	.....	(X)	105.2	(X)	55.7
38611 00	Still picture equipment, n.s.k	.....	(X)	0.1	(X)	3.2
38612 --	Photocopying equipment, total	Thousands.....	(NA)	620.2	(NA)	173.6
	Photocopying equipment primarily for producing copies 11" x 14" or smaller:					
	Suggested retail price:					
38612 11	Less than $100.00	...do.....				
38612 13	$100.00 to $499.99	...do.....				
38612 16	$500.00 to $999.99	...do.....				
38612 18	$1,000.00 to $1,499.99	...do.....	(3)	[3]618.8	(3)	[3]162.1
38612 19	$1,500.00 or over	...do.....				
38612 23	Photocopying equipment primarily for producing copies larger than 11" x 14"	...do.....				
38612 00	Photocopying equipment, n.s.k	.....	(X)	1.4	(X)	11.5
38613 --	Motion picture equipment, total	.....	(X)	194.3	(X)	127.9
	8 mm. and 16 mm. motion picture equipment:					
	Cameras (excluding film, bulbs, batteries, etc., in outfits):					
38613 07	16 mm	1,000.....	(4)	(4)	4.9	4.3
38613 15	8 mm	...do.....	(4)	(4)	585.4	25.1
	Projectors (with lenses of f/2.0 or faster, with suggested retail list price of $25.00 or more):					
38613 27	16 mm. (sound and silent)	...do.....	[4]81.0	[4]34.8	44.9	17.1
28613 42	8 mm. sound	...do.....	[4]1,508.2	[4]83.8	546.8	27.8
38613 44	8 mm. silent	...do.....				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3861- --	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES--Continued					
38613 --	Motion picture equipment--Continued					
	8 mm. and 16 mm. motion picture equipment--Continued					
38613 52	Projection screens (for motion picture and/or still projection)	1,000.....	1,371.4	15.4	1,402.0	13.6
38613 75	8 mm. and 16 mm. motion picture parts, attachments, accessories, and other 8 mm. and 16 mm. motion picture equipment, including sound recording. Also including projectors with lenses not as fast as f/2.0 and/or suggested retail list price under $25.00, and hand viewers, excluding lenses for sale separately and projection screens)	.....	(X)	18.3	(X)	16.1
38613 61	Motion picture processing equipment, all types, including printing machines, developing machines, and drying machines, excluding motion picture type equipment used for still picture work and interchangeable types	.....	(X)	23.8	(X)	9.0
	35 mm. and over motion picture equipment:					
38613 81	Cameras	1,000.....	0.7	4.3	0.7	4.0
38613 85	Projectors	...do.....	4.1	3.2	(NA)	1.1
38613 98	35 mm. and over motion picture parts, attachments, accessories, and other 35 mm. and over motion picture equipment, including sound recording and studio equipment, excluding lenses for sale separately and processing equipment	.....	(X)	9.6	(X)	9.8
38613 00	Motion picture equipment, n.s.k.	.....	(X)	1.2	-	-
38614 --	Microfilming, blueprinting, brownprinting, and whiteprinting equipment, total	.....	(X)	53.6	(X)	29.3
38614 11	Microfilming equipment, including microfilm cameras, readers, printers, enlargers and other special purpose equipment for microfilm use	.....	(X)	53.6	(X)	17.2
38614 21	Blueprinting, brownprinting, and whiteprinting (direct process type) equipment	.....			(X)	12.1
38615 --	Photographic sensitized film and plates, total	.....	(X)	1,084.7	(X)	604.9
	X-ray film:					
38615 41	Medical	TSFSM (MM)[5]...	439.5	164.8	284.9	93.7
38615 43	Dental	...do.....	6.5	9.4	4.0	6.5
38615 45	Industrial	...do.....	36.0	23.7	25.0	13.2
38615 99	Other film, including motion picture black and white and color film, amateur roll film, still color film, aerofilm, microfilm, etc.[6] [7]	...do.....	1,926.6	886.8	[8]852.6	[8]491.5
38616 --	Sensitized photographic paper and cloth, silver halide type, total	.....	(X)	238.7	(X)	191.3
38616 11	Designed for continuous-tone reproduction (photofinishing, portraiture, etc.) roll and sheet form	TSFSM (MM)[5]...	[6]804.4	[6]159.5		
38616 15	Designed for line reproduction, graphic arts, etc.; other than photocopy process and oscillograph recording	...do.....	201.5	18.0	(NA)	191.3
38616 21	Designed for oscillograph and other types of instrumentation recording processes	...do.....				
38616 25	Designed for photocopy processes, including diffusion transfer, dye transfer, etc	...do.....	853.8	61.1		
38617 --	Sensitized photographic paper and cloth, other than silver halide type, total	TSYSM (MM)[9]...	(X)	193.5	(X)	128.1
38617 11	Blueprint type	...do.....	(NA)	4.2	83.1	5.7
	Diazo type, including film and plastic sheet:					
38617 13	Dry	...do.....	651.3	50.5	572.6	46.0
38617 15	Semimoist	...do.....	119.1	10.6	196.7	15.6
38617 21	Brownprinting type	...do.....	(NA)	1.0	22.8	1.2
	Sensitized paper for photocopy processes:					
38617 31	Electrostatic	...do.....	1,704.2	42.0	1,281.2	51.1
38617 32	Heat sensitive	...do.....	1,208.2	76.0		
38617 39	Other types, including sensitized paper, film, and cloth for all other processes	...do.....	23.4	6.5	43.1	7.0
38617 00	Sensitized and photographic paper and cloth other than silver halide type, n.s.k.	...do.....	(X)	2.6	(X)	1.4
38618 11	Prepared photographic chemicals (developers, fixers, toners, and other chemicals specifically prepared and packaged for use in photography)	.....	(X)	148.3	(X)	74.3
38610 00	Photographic equipment and supplies, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	.....	(X)	107.4	(X)	78.4
38610 02	Photographic equipment and supplies, n.s.k. (Represents principally establishments fewer than 10 employees in 1967. See Note.)	.....	(X)	12.5		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3871- --	WATCHES AND CLOCKS, TOTAL	.....	(X)	663.5	(X)	406.2
38711 --	Clocks	.....	(X)	276.1	(X)	173.8
	Electric clocks, complete, frequency motor (synchronous or subsynchronous, except as specified below in "Other clocks, complete"):					
38711 11	Alarm, excluding clock timers and timing mechanisms	Million units.	14.0	29.6	6.0	19.6
	Household, except alarm:					
38711 12	Wall	...do.....	3.6	16.3	4.6	22.1
38711 13	All other, including chime and strike, occasional, desk, and mantle	...do.....				
38711 15	Commercial, including office, factory, and school	...do.....	0.4	3.1	0.8	6.7
	Spring wound and weight operated clocks, except automobile clocks and as specified below in "Other clocks, complete":					
38711 21	Alarm	...do.....	9.1	29.1	6.9	21.7
38711 23	Household and commercial, except alarm, including chime and strike, kitchen, desk, mantle and wall	...do.....				
38711 25	Battery powered clocks	...do.....	1.5	12.9	([10])	([10])
38711 28	Timers and switch clocks having hands and dials for telling time of day, including electric and spring wound	...do.....	(X)	36.5	1.4	4.9
38711 35	Other clocks, complete (tower, street, master, magnet operated secondary clocks, chronometers, and all types of automotive, etc.	.....				[10]22.6
38711 53	Clock movements, complete but not cased for timepiece use, including clocks for clock radios, including electric and spring wound	Million units.	8.6	18.6	4.8	10.4
	Timing mechanisms, not for timepiece use, including elapsed time indicators, delay timers, program timers, etc., and mechanisms for recording and controlling instruments, parking meters, driving mechanisms, metronomes, and other devices (excluding time recording and time stamp machines):					
	Electric:					
38711 62	Military timing mechanisms	Million units.	5.9	66.0		
38711 63	Household timing mechanisms	...do.....	5.2	18.4	10.0	55.8
38711 64	Commercial timing mechanisms	...do.....	2.2	33.6		
38711 65	Spring wound	...do.....	2.6	5.9	3.5	8.6
38711 00	Clocks, n.s.k	.....	(X)	6.1	(X)	1.6
38714 --	Watches with imported movements	.....	(X)	190.6	(X)	112.8
	Jeweled lever escapement (excluding battery powered):					
	Men's wrist:					
38714 13	Under 17 jewels	Million units.	1.1	10.0	3.0	49.8
38714 15	17 jewels	...do.....	3.3	60.4		
38714 19	Over 17 jewels	...do.....	0.3	4.1	0.2	3.9
	Women's wrist:					
38714 23	Under 17 jewels	Million units.	0.8	7.1	2.6	49.6
38714 25	17 jewels	...do.....	3.7	70.8		
38714 29	Over 17 jewels	...do.....				
38714 39	Other, including pocket, lapel, etc	...do.....	1.2	8.0	0.2	4.4
38714 62	Pin lever escapement-all types (excluding travel and automobile clocks, etc., with watch movements)	...do.....	1.9	27.2	0.6	4.5
38714 65	Battery powered	...do.....				
38714 00	Watches with imported movements, n.s.k	.....	(X)	3.0	(X)	0.6
38715 --	Watches with domestic movements and parts for all clocks and watches	.....	(X)	165.0	(X)	102.2
	Jeweled lever escapement type watches (excluding battery powered):					
38715 15	Men's wrist	Million units.	0.6	10.0	0.9	20.6
38715 25	Women's wrist	...do.....	4.1	49.4	0.8	27.7
38715 61	Other watches with domestic movements, including pocket watches (jeweled or pin lever), pinlever wrist watches (men's and women's), and battery powered watches of all types	...do.....	(X)	90.3	(X)	46.0
	Clock and watch parts, except watch crystals:					
38715 81	Clock cases and clock parts (excluding timing motors)	.....				

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3871- --	WATCHES AND CLOCKS--Continued					
38715 --	Watches with domestic movements and parts for all clocks and watches--Continued					
	Clock and watch parts, except watch crystals--Continued					
38715 87	Watch movements, complete, for sale separately (excluding those purchased and resold in the same condition)	Million units.	(X)	14.5	(X)	6.7
38715 89	Watch parts for sale separately, except watchcases, and watch crystals, excluding interplant transfers (excluding those purchased and resold in the same condition)	.....				
38715 00	Watches with domestic movements and parts for all clocks and watches, n.s.k.	.....	(X)	0.8	(X)	1.2
38710 00	Watches and clocks, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note.)	.....	(X)	29.1	(X)	17.3
38710 02	Watches and clocks, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	.....	(X)	2.7		

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
3872- --	WATCHCASES, TOTAL	(X)	44.8	(X)	29.4
38720 --	Watchcases:				
	For jeweled watch movements:				
	Men's wristwatch cases:				
38720 11	Carat gold and platinum	395.0	7.1	127.5	2.1
38720 13	Gold-filled	361.0	3.5	254.5	2.1
38720 15	Rolled goldplate and sterling silver, including rolled goldplate with steel back	8,121.5	14.1	6,769.7	6.8
38720 19	Other metals				
	Women's wristwatch cases:				
38720 21	Carat gold and platinum	562.3	6.8	425.4	3.9
38720 23	Gold-filled	119.3	0.6	170.4	1.0
38720 25	Rolled goldplate and sterling silver, including rolled goldplate with steel back	1,915.7	4.0	4,752.5	7.1
38720 29	Other metals	1,117.4	1.5	1,007.9	1.3
	For nonjeweled or pin-lever watch movements:				
	Wristwatch cases:				
38720 51	Gold-filled, rolled goldplate, and sterling silver (including rolled goldplate with steel back)	-	-	-	-
38720 59	Other metals	(NA)	2.1	385.6	0.7
38720 65	Pocket and other watchcases (all qualities) for jeweled, nonjeweled or pin-level watch movements)			318.6	2.4
38720 00	Watchcases, n.s.k. (Represents principally establishments with 10 or more employees in 1967. See Note.)	(X)	4.6	(X)	1.9
38720 02	Watchcases, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note.)	(X)	0.5		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Footnotes continued on next page

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Footnotes for table 6A-38B--Continued

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e] From 10 to 30 percent of this figure was estimated.

[1]Value includes stands and attachments shipped with process cameras.

[2]Quantity figures include heads shipped separately, as well as complete units. Value figures include the value of heads shipped separately, stands shipped seperately and complete units shipped.

[3]The number of units shipped, including leased machines, totaled 370.0 thousand in 1967. and 264.9 thousand in 1963. The value shown includes for some companies rental receipts rather than the value of machines produced during the year.

[4]Product code 38613 07 has been combined with product code 38613 27and product code 38613 15 has been combined with product codes 38613 42 and 38613 44 to avoid disclosing figures for individual companies.

[5]Represents total square feet of sensitized material (in millions).

[6]Includes an indeterminate amount of duplication resulting from shipments of film producers for further manufacturing process.

[7]Motion picture film, amateur roll film and other film wire combined to avoid disclosing operations of individual companies. Motion picture film was reported in linear feet by width and has been converted to TSFSM. Amateur roll film and other film were collected in TSFSM. In 1967, the statistics published for product code 38615 99 were collected seperately as codes 38615 05, 38615 13, 38615 15, 38615 21, 38615 23, 38615 25, 38615 31, 38615 33, 38615 35, 38615 51, 38615 53, 38615 55, 38615 61, 38615 62, 38615 63, 38615 64, 38615 65, 38615 66, 38615 67, 38615 68, 38615 69, 38615 71, 38615 75, and 38615 77.

[8]Includes the following figures which were not separately published in 1967:

Item	Quantity TSFSM (millions)	Value (million dollars)
Sheet film and pack film and long lengths of still picture roll film other than graphic arts film (including rolls more than 25 ft. in length and more than 30 mm. in width).....	43.4	32.9
Graphic arts film (for lithography, rotogravure, photo-engraving and screen processing and printing).....	186.8	63.0
Photographic glass plates and slides.....	1.9	4.2

[9]Represents total square yards of sensitized materials (in millions).

[10]Battery powered clocks included with other complete clocks (product code 38711 35) for 1963,

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
STILL PICTURE EQUIPMENT (38611)		
United States	484.8	223.6
Northeast Region	270.9	134.9
New England Div.	22.5	10.2
Massachusetts	EE	(1)
Middle Atlantic Div.	248.4	124.7
New York	229.7	115.9
New Jersey	EE	(1)
North Central Region	GG	40.6
East North Central Div.	59.3	(D)
Illinois	54.1	21.3
Wisconsin	3.9	2.7
West North Central Div.	EE	(D)
Minnesota	FF	(D)
Kansas	AA	(D)
South Region	FF	19.2
South Atlantic Div.	CC	(D)
Virginia	CC	(1)
South Carolina	BB	(D)
Florida	AA	(D)
West South Central Div.	FF	(D)
Arkansas	FF	(1)
West Region	82.4	28.9
Mountain Div.	AA	(D)
Arizona	AA	(D)
Pacific Div.	GG	(D)
Oregon	FF	(1)
California	FF	(1)
PHOTOCOPYING EQUIPMENT (38612)		
United States	620.2	202.9
Northeast Region	GG	(D)
Middle Atlantic Div.	GG	152.1
New York	GG	(1)
North Central Region	GG	45.6
East North Central Div.	GG	(D)
Indiana	EE	(1)
Illinois	36.7	(1)
Wisconsin	AA	(D)
West North Central Div.	FF	(D)
Minnesota	FF	(D)
MOTION PICTURE EQUIPMENT (38613)		
United States	194.3	127.9
Northeast Region	70.9	45.3
New England Div.	CC	(D)
Connecticut	CC	(1)
Middle Atlantic Div.	GG	(D)
New York	60.7	31.3
New Jersey	AA	(D)
Pennsylvania	BB	(1)
MOTION PICTURE EQUIPMENT (38613)--Con.		
North Central Region	85.0	61.8
East North Central Div.	83.8	(D)
Ohio	AA	(1)
Indiana	CC	(1)
Illinois	74.8	53.1
Michigan	AA	(1)
West North Central Div.	1.2	(D)
South Region	BB	(D)
South Atlantic Div.	BB	(D)
South Carolina	BB	(1)
West Region	FF	(D)
Mountain Div.	BB	(D)
Colorado	BB	(D)
Pacific Div.	FF	(D)
Oregon	BB	(D)
California	28.5	(1)
MICROFILMING, BLUEPRINTING BROWNPRINTING, AND WHITE-PRINTING EQUIPMENT (38614)		
United States	53.6	(NA)
Northeast Region	37.1	(NA)
New England Div.	AA	(NA)
Massachusetts	AA	(NA)
Middle Atlantic Div.	FF	(NA)
New York	FF	(NA)
New Jersey	CC	(NA)
North Central Region	EE	(NA)
East North Central Div.	CC	(NA)
Illinois	CC	(NA)
West North Central Div.	CC	(NA)
Minnesota	CC	(NA)
PHOTOGRAPHIC SENSITIZED FILM AND PLATES (38615)		
United States	1,084.7	604.9
Northeast Region	1,033.3	597.9
New England Div.	GG	(D)
Massachusetts	GG	(1)
Middle Atlantic Div.	GG	(D)
New York	GG	(1)
New Jersey	GG	(1)
North Central Region	EE	(D)
East North Central Div.	11.9	5.9
Indiana	AA	(D)
Illinois	9.0	(1)
Michigan	AA	(D)
South Region	FF	(D)
South Atlantic Div.	FF	(D)
North Carolina	FF	(D)
West South Central Div.	BB	(D)
Louisiana	AA	(D)
Texas	AA	(D)
West Region	AA	(D)
SENSITIZED PHOTO PAPER, CLOTH, SILVER HALIDE TYPE (38616)		
United States	238.7	191.3
Northeast Region	230.3	(D)
New England Div.	CC	166.1
Massachusetts	CC	(1)
Middle Atlantic Div.	GG	(D)
New York	GG	(1)
New Jersey	CC	(1)
North Central Region	CC	(D)
East North Central Div.	CC	(D)
Illinois	CC	(1)
West North Central Div.	BB	(D)
Missouri	BB	(1)
SENSITIZED PHOTO PAPER, CLOTH, EXCLUDING SILVER HALIDE (38617)		
United States	193.5	128.1
Northeast Region	48.5	42.8
New England Div.	EE	(D)
New Hampshire	EE	(D)
Middle Atlantic Div.	FF	(D)
New York	FF	15.4
New Jersey	13.0	11.6
Pennsylvania	BB	(1)
North Central Region	115.7	70.0
East North Central Div.	GG	(D)
Ohio	BB	(1)
Indiana	FF	(1)
Illinois	FF	(1)
Michigan	3.1	3.5
West North Central Div.	EE	(D)
Minnesota	EE	(D)
Nebraska	BB	(D)
South Region	4.5	(D)
West South Central Div.	4.5	2.3
Louisiana	AA	(D)
Texas	BB	(1)
West Region	24.9	(D)
Mountain Div.	AA	(D)
Colorado	AA	(D)
Pacific Div.	FF	13.0
Oregon	EE	-
California	10.9	13.0
PREPARED PHOTOGRAPHIC CHEMICALS (38618)		
United States	148.3	74.3
Northeast Region	137.5	67.6
Middle Atlantic Div.	GG	(D)
New York	GG	59.5
New Jersey	19.1	7.5
Pennsylvania	AA	(D)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
PREPARED PHOTOGRAPHIC CHEMICALS (38618)--Con.		
North Central Region....	7.2	5.4
East North Central Div....	7.2	(D)
Illinois.....	5.6	4.8
West Region.....	BB	(D)
Pacific Div.....	BB	(D)
California.....	BB	(1)
CLOCKS (38711)		
United States.....	276.1	173.8
Northeast Region.....	125.7	72.3
New England Div.....	80.8	59.4
Massachusetts.....	44.7	33.7
Rhode Island.....	CC	(D)
Connecticut.....	FF	(1)
Middle Atlantic Div.....	44.8	12.8
New York.....	11.3	6.9
New Jersey.....	EE	(1)
Pennsylvania.....	EE	(D)
North Central Region....	89.8	76.0
East North Central Div....	GG	(D)
Ohio.....	AA	(1)
Indiana.....	CC	4.6
Illinois.....	GG	52.9
Michigan.....	2.6	1.8
Wisconsin.....	EE	(1)
West North Central Div....	EE	(D)
Minnesota.....	AA	(D)
Iowa.....	EE	(1)
CLOCKS (38711)--Con.		
South Region.....	GG	(D)
South Atlantic Div.....	FF	(D)
Virginia.....	AA	(D)
North Carolina.....	EE	(1)
Georgia.....	CC	(1)
East South Central Div....	32.3	(D)
Kentucky.....	AA	(1)
Tennessee.....	CC	(1)
Alabama.....	BB	(D)
Mississippi.....	EE	(D)
West South Central Div....	BB	(D)
Arkansas.....	AA	(D)
West Region.....	AA	(D)
Pacific Div.....	AA	(D)
California.....	AA	(D)
WATCHES WITH IMPORTED MOVEMENTS(38714)		
United States.....	190.6	112.8
Northeast Region.....	139.5	89.7
New England Div.....	FF	(D)
Connecticut.....	FF	(1)
Middle Atlantic Div.....	GG	(D)
New York.....	GG	(1)
Pennsylvaina.....	EE	(1)
North Central Region....	FF	(D)
East North Central Div....	FF	19.7
Illinois.....	FF	19.7
WATCHES WITH IMPORTED MOVEMENTS(38714)--Con.		
South Region.....	EE	(D)
South Atlantic Div.....	AA	(D)
North Carolina.....	AA	(D)
West South Central Div....	EE	(D)
Texas.....	EE	(1)
WATCHES, DOMESTIC MOVEMENT, AND CLOCK/WATCH PARTS (38715)		
United States.....	165.0	102.2
Northeast Region.....	GG	(D)
New England Div.....	FF	(D)
Connecticut.....	FF	(1)
Middle Atlantic Div.....	55.5	38.8
New York.....	FF	(1)
New Jersey.....	AA	(1)
Pennsylvania.....	EE	(1)
North Central Region....	CC	(D)
East North Central Div....	CC	(D)
Illinois.....	CC	(1)
South Region.....	GG	(D)
South Atlantic Div.....	CC	(D)
North Carolina.....	AA	(1)
South Carolina.....	BB	(D)
Georgia.....	AA	(D)
West South Central Div....	GG	(D)
Texas.....	GG	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0.....	AA	$10.0 to $20.0.....	EE
$2.0 to $5.0.....	BB	$20.0 to $50.0.....	FF
$5.0 to $10.0.....	CC	$50.0 and over.....	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3861	Photographic equipment and supplies	3,138.0	2,830.7	2,295.9	1,905.6	1,631.4	1,061.3	772.9	428.5
38611	Still picture equipment	484.8	454.1	340.2	282.3	223.6	179.4	170.7	86.7
3812	Photocoping equipment	620.2	[2]549.4	[2]387.4	[2]290.0	173.6	[2]57.7	[2]27.0	[2]9.3
38613	Motion picture equipment	194.3	206.2	179.4	144.2	127.9	148.0	108.2	89.9
38614	Microfilming, blueprinting, brownprinting and whiteprinting equipment	53.6	([2])	([2])	([2])	29.3	([2])	([2])	([2])
38615	Photographic sensitized film and plates	1,084.7	960.4	786.0	676.9	604.9	396.0	297.0	143.8
38616	Sensitized photographic paper, and cloth, silver halide type	238.7	225.7	203.2	191.1	183.3	124.0	78.8	39.8
38617	Sensitized photographic paper and cloth, other than silver halide type	193.5	190.2	160.2	130.3	124.2	92.1	47.3	18.5
38618	Prepared photographic chemicals	148.3	151.1	130.9	100.6	73.5	35.9	19.8	9.1
38610	Photographic equipment and supplies, n.s.k.	119.9	76.8	93.7	77.5	78.4	38.3	24.1	31.4
3871	Watches and clocks	663.5	591.9	512.9	448.5	406.2	291.5	293.4	332.5
38711	Clocks	276.1	249.5	211.2	188.8	173.8	111.4	113.6	100.8
38714	Watches with imported movements	190.6	172.9	149.4	127.8	112.8	83.7	96.8	105.0
38715	Watches with domestic movements and parts for all clocks and watches	165.0	169.6	152.2	131.9	102.2	85.3	81.1	98.6
38710	Watches and clocks, n.s.k.	31.8				17.3	11.1	1.8	28.1
3872	Watchcases	44.8	49.9	37.1	29.9	29.4	27.8	34.5	40.4

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]For 1966 and previous years (except 1963) these figures are included with product class 38612, "Photocopying Equipment."

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3861.--PHOTOGRAPHIC EQUIPMENT AND SUPPLIES					
	Materials, components, parts, containers, and supplies, total	.....	(X)	1,013.2	(X)	482.7
	Mill shapes and forms (except castings)					
331001	Carbon steel	1,000 short tons.	18.7	5.3	25.3	7.4
331020	Alloy steel, except stainless	...do.....	5.1	1.2	3.0	4.0
331031	Stainless steel	...do.....	3.7	4.4		
335121	Copper and copper-base alloy	Million pounds...	1.4	0.8	0.9	0.5
335208	Aluminum and aluminum-base alloy	...do.....	6.8	3.9	(NA)	(NA)
333401	Aluminum and aluminum-base alloy refinery shape	1,000 short tons.	0.1	0.3	(1)	(1)
336100	Aluminum and aluminum-base alloy castings[2]	Million pounds...	(NA)	5.3	12.5	8.1
	Fractional horsepower electric motors (under 1 hp.):[2]					
362110	Timing motors, synchronous and subsynchronous	Millions of units	0.7	3.2	0.6	3.6
362115	Other fractional horsepower motors, excluding timing motors	...do.....	1.8	5.4	0.4	1.8
367010	Electron tubes, except X-ray[2]	...do.....	0.3	0.9	0.2	0.4
367408	Solid state semiconductors[2]	...do.....	2.1	1.3	0.4	0.4
281997	Silver nitrate	Million ounces...	28.3	25.3	28.1	20.3
383101	Photographic and projection lens and prisms	.....	(X)	30.8	(X)	8.6
970099	All other materials, components, parts, containers, and supplies consumed	.....	(X)	741.1	(X)	373.6
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	184.0	(X)	54.0
	INDUSTRY 3871.--WATCHES AND CLOCKS					
	Materials, parts, containers, and supplies, total	.....	(X)	376.7	(X)	207.0
	Fractional horsepower electric motors: (under 1 hp.)[4]					
362110	Timing motors, synchronous and subsynchronous	Millions.....	3.1	4.4	1.1	2.0
362115	Other fractional horsepower electric motors (excluding timing motors)	...do.....	(1)	(1)	(1)	(1)
	Watchcases:[4]					
	Mens' wristwatch cases:					
387200	Carat gold and platinum	...do.....	0.3	3.3	0.1	2.9
387201	Gold filled	...do.....	0.3	2.7	0.4	2.3
387202	Rolled gold plate and sterling silver (including rolled gold plate with steel back)	...do.....	(1)	(1)	1.0	2.5
387203	Other metals	...do.....	10.0	9.3	2.8	4.8
	Women's wristwatch cases:					
387204	Carat gold and platinum	...do.....	0.2	3.6	0.2	4.1
387205	Gold filled	...do.....	0.3	1.7	0.4	1.2
387206	Rolled gold plate and sterling silver (including rolled gold plate with steel back)	...do.....	1.5	3.8	2.5	5.5
387207	Other metals	...do.....	6.1	6.6	2.7	2.6
387208	Pocket and other watchcases (all qualities)[4]	...do.....	(1)	(1)	1.1	0.5
387158	Imported watch movements	.....	(X)	87.6	(X)	46.2
970099	All other materials, components, parts, containers, and supplies consumed	.....	(X)	208.7	(X)	103.3
976000	Materials, parts, containers, and supplies, n.s.k.[3]	.....	(X)	45.0	(X)	29.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Included with material code 970099, "All other materials and components, etc." to avoid disclosing figures for individual companies.

[2]No data are available for the quantities of aluminum and aluminum-base alloy castings, fractional horsepower electric motors, electron tubes, or solid state semiconductors produced and consumed in the same establishment.

[3]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[4]No data are available for quantities of fractional horsepower electric motors or watchcases produced and consumed in the same establishment.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Photographic equipment and supplies (SIC 3861)
	Cost of purchased fuels and electric energy, total....	Million dollars..	18.8
	Cost of purchased fuels, total.....	...do.....	9.5
121005	Coal (anthracite, bituminous, and lignite):		
	Quantity.....	1,000 short tons.	(1)
	Cost.....	Million dollars..	(1)
331212 331213	Coke, screenings, and breeze:		
	Quantity.....	1,000 short tons.	(Z)
	Cost.....	Million dollars..	(Z)
	Fuel oil, total:		
	Quantity.....	1,000 barrels....	233.2
	Cost.....	Million dollars..	0.8
291141	Distillate:		
	Quantity.....	1,000 barrels....	162.5
	Cost.....	Million dollars..	0.6
291151	Residual:		
	Quantity.....	1,000 barrels....	70.7
	Cost.....	Million dollars..	0.2
131300 331217 331218 291104	Gas (natural, manufactured mixed, blast-furnace, coke-oven, and other gas):		
	Quantity.....	Million cu. ft...	2,439.0
	Cost.....	Million dollars..	1.7
291111 960011 960013 960017	Other fuels (gasoline, LPG, wood, etc.).....	...do.....	[1]5.6
	Fuels, n.s.k.....	...do.....	1.4
	Purchased electric energy:		
	Quantity.....	Million kw.-hrs..	776.8
	Cost.....	Million dollars..	9.3
	Quantity of electric energy generated less quantity sold.....	Million kw.-hrs..	575.4
	Total energy used for heat and power[2].....	Million kw.-hrs. equivalent.....	8,407.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Included with code 960013, "Other fuels," to avoid disclosure of figures for individual companies.

[2] Represents the quantity of purchased electric energy and the kilowatt-hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3861	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES										
	ENTIRE INDUSTRY	557	94.9	820.3	56.2	112.1	401.3	2 480.7	1 203.3	3 664.5	217.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	533	87.7	758.5	52.8	105.1	380.9	2 324.8	1 059.6	3 363.8	207.0
38611	STILL PICTURE EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	78	30.6	252.0	18.2	35.4	114.7	520.8	374.2	888.5	38.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	57	10.1	76.2	6.7	13.1	42.2	137.0	96.9	234.2	6.0
38612	PHOTOCOPYING EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38613	MOTION PICTURE EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	53	8.9	64.5	6.0	12.1	37.1	111.5	82.7	193.3	3.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	45	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38614	MICROFILM, BLUE-, BROWN-, AND WHITE-PRINT EQUIP.										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	.8	5.7	.6	1.2	3.6	11.7	6.8	21.7	.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38615	PHOTOGRAPHIC SENSITIZED FILM AND PLATES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	27	35.1	345.9	20.3	40.9	174.3	1 125.5	362.4	1 482.2	142.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38616	SENSITIZED PHOTO PAPER, CLOTH, SILVER HALIDE TYPE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	2.5	17.7	1.2	2.4	7.3	40.0	27.0	65.7	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
38617	SENSITIZED PHOTO PAPER, CLOTH, EXC. SILVER HALIDE										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	34	5.1	37.1	3.4	7.4	22.6	110.4	115.6	225.8	10.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	30	2.4	16.7	1.6	3.4	10.4	41.6	61.5	102.4	4.0
38618	PREPARED PHOTOGRAPHIC CHEMICALS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	25	1.2	7.7	.4	.8	2.3	49.3	30.0	78.5	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	24	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3871	WATCHES AND CLOCKS										
	ENTIRE INDUSTRY	176	31.5	187.9	24.5	49.6	122.9	361.6	393.7	746.5	9.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	164	22.0	129.8	17.2	34.8	83.9	234.0	300.6	537.4	6.2
38711	CLOCKS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	56	18.1	103.8	14.4	29.7	73.4	199.6	149.4	352.3	5.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	41	8.0	43.0	6.5	13.5	30.5	81.1	63.2	146.3	2.2
38714	WATCHES WITH IMPORTED MOVEMENTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	22	5.6	41.9	3.8	7.8	21.2	69.8	154.3	222.2	1.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	17	1.6	14.1	.9	1.8	4.8	29.6	64.0	93.4	1.3
38715	WATCHES, DOMESTIC MOVEMENT, AND CLOCK/WATCH PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	9	1.4	7.7	1.2	2.3	5.4	10.8	5.3	17.1	.3
3872	WATCHCASES										
	ENTIRE INDUSTRY	47	3.7	21.1	3.1	5.6	16.6	31.3	23.8	55.6	.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	45	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

Miscellaneous Manufacturing Industries

39A Jewelry, silverware, and plated ware

39B Musical instruments and parts; toys and sporting goods

39C Office supplies, costume jewelry, and notions

39D Miscellaneous manufactures

Major Group 39 covers establishments primarily engaged in manufacturing products not classified in any other major manufacturing group. Industries in this group fall into the following categories: Jewelry, and silverware and plated ware; musical instruments; toys, and sporting and athletic goods; pens, pencils, and other office and artists' materials; buttons, costume novelties, and miscellaneous notions; brooms and brushes; morticians' goods; and, other miscellaneous manufacturing industries.

For 1953 and earlier years, data for Major Group 19, Ordnance and Accessories, are included with Major Group 39 in table 1.

For 1954 and subsequent years Major Group 19 data are published separately. However, in some tables within these volumes, data for Major Group 19 are given both separately and combined with Major Group 39.

Major Group 19 covers establishments primarily engaged in manufacturing artillery, small arms, and related equipment; ammunition; tanks and specialized tank parts; sighting and fire control equipment; complete guided missiles and research and development on complete guided missiles and, miscellaneous ordnance and accessories, not elsewhere classified.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees[1]		Production workers			Value added by manufacture[2]	Cost of materials[3]	Value of shipments[3]	Capital expenditures new[4]
	Total (number)	With 20 or more or more (number)	Total (1,000)	Payroll (million dollars)	Total (1,000)	Man-hours (million dollars)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	14 171	3 726	405.7	2 375.1	344.4	662.0	1 552.5	4 599.4	3 773.4	8 310.7	213.5
1963	14 800	3 662	397.6	1 869.6	315.0	613.2	1 253.5	3 562.4	2 965.0	6 494.8	131.0
1958[6]	13 854	3 368	370.9	1 515.7	291.2	558.4	1 033.6	2 678.3	(NA)	4 965.5	110.7
1954	(NA)	(NA)	472.4	1 664.0	385.4	748.1	1 148.7	2 746.0	(NA)	(NA)	115.0
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967[8]	99	64	8.1	84.1	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1963[5]	77	44	6.9	57.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1958	57	32	6.3	48.3	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1954[8]	(NA)	(NA)	[8]5.7	[8]38.6	(x)	(x)	(x)	(x)	(x)	(x)	(x)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	14 072	3 845	423.1	2 291.0	344.4	662.0	1 552.5	4 599.4	3 773.4	8 310.7	213.5
1963[6]	14 723	3 618	390.9	1 812.1	315.0	613.2	1 253.5	3 562.4	2 965.0	6 494.8	131.0
1958[6]	13 797	3 336	364.6	1 467.4	291.2	558.5	1 033.6	2 678.3	(NA)	4 965.5	110.7
1954	16 517	4 289	466.7	1 625.4	385.4	748.1	1 148.7	2 746.0	(x)	(x)	115.0
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966[7]	(NA)	(NA)	418.2	2 150.3	340.2	666.3	1 463.3	4 338.3	3 778.8	7 971.4	181.3
1965[7]	(NA)	(NA)	416.0	2 042.2	339.6	661.1	1 393.3	4 092.3	3 510.7	7 541.4	165.9
1964[7]	(NA)	(NA)	393.7	1 924.0	315.0	631.4	1 313.7	3 762.6	3 151.5	6 889.0	137.4
1962[6 7]	(NA)	(NA)	378.4	1 704.9	304.6	596.7	1 163.2	3 329.5	2 845.4	6 109.7	129.8
1961[6 7]	(NA)	(NA)	374.9	1 608.3	302.5	585.4	1 096.9	3 082.4	2 736.3	5 832.7	112.5
1960[8 7]	(NA)	(NA)	373.5	1 655.1	300.7	587.7	1 090.9	3 002.5	(NA)	(NA)	111.1
1959[6 7]	(NA)	(NA)	376.3	1 556.0	305.0	590.7	1 083.9	2 887.9	(NA)	(NA)	124.3
1957[7]	(NA)	(NA)	495.2	1 885.5	403.4	776.3	1 313.3	3 327.1	(NA)	(NA)	121.8
1956[7]	(NA)	(NA)	505.9	1 860.8	416.7	813.9	1 323.8	3 304.8	(NA)	(NA)	158.0
1955[7]	(NA)	(NA)	489.3	1 734.2	403.9	783.4	1 224.8	3 041.6	(NA)	(NA)	116.5
1953[7 9]	(NA)	(NA)	843.5	3 232.1	686.1	1 367.8	2 366.4	5 271.8	(NA)	(NA)	205.4
1952[7 9]	(NA)	(NA)	681.9	2 374.7	564.0	1 102.1	1 731.2	3 984.2	(NA)	(NA)	(NA)
1951[7 9]	15 057	(NA)	519.1	1 711.2	431.9	862.4	1 233.3	2 842.3	(NA)	(NA)	116.3
1950[7 9]	13 764	(NA)	488.3	1 452.0	404.0	799.5	1 054.7	2 534.3	(NA)	(NA)	98.3
1949[7 9]	(NA)	(NA)	447.2	1 262.7	370.2	727.5	917.0	2 108.7	(NA)	(NA)	77.0
1947[9]	14 148	(NA)	463.4	1 205.2	396.0	811.3	917.6	2 066.3	(NA)	(NA)	107.0

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1]The figures for 1939 through 1967 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2]For the period 1954 to 1967, figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year.

[3]The total value of shipments and cost of materials for industry groups (2- and 3-digit) include extensive duplication arising from shipments between establishments in the same industry classification. For more information, see Introduction.

[4]The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5]In addition to data for operating establishments, figures for employment and payroll for manufacturing central administrative office and auxiliary units are included in industry group 39 for groups 39 and 19 for the years 1949 to 1953 in the annual survey of manufactures volumes. Data for these units are not available for the years 1955 to 1957, 1959 to 1962, and prior to 1949.

[6]Figures for 1958 to 1967 for operating manufacturing establishments are not strictly comparable with prior years due to revisions of the Standard Industrial Classification System. Prior to 1958, establishments primarily engaged in the manufacture of plastics products, n.e.c., cork products, soda-fountain and bar equipment, and jewelry, instrument and musical instrument cases, were included in these data. Establishments primarily engaged in the manufacture of linoleum and other hard surface floor covering, n.e.c., are excluded in data prior to 1958.

[7]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

[8]In 1954 and 1967, data for administrative and auxiliary establishments for Major Group 19, "Ordnance and Accessories," are included with Major Group 39, "Miscellaneous Manufactures."

[9]For 1953 and earlier years data includes ordnance and accessories.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[3] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
39	MISC. MANUFACTURING INDUSTRIES	14 072	3 845	423.1	2 291.0	344.4	662.0	1 552.5	4 599.4	3 773.4	8 310.7	213.5	390.8	3 562.4
	NORTHEAST REGION	6 800	2 002	213.1	1 152.7	175.9	337.6	789.8	2 352.2	2 005.5	4 328.5	99.1	214.1	1 897.1
	NEW ENGLAND DIVISION	1 603	548	71.3	392.6	59.0	113.2	269.8	832.8	580.6	1 399.3	33.1	67.1	620.5
	MAINE	43	6	.8	3.1	.7	1.4	2.7	4.7	3.7	8.4	.2	1.1	6.9
	NEW HAMPSHIRE	48	13	1.5	7.3	1.4	2.6	5.6	11.5	9.7	21.2	.8	1.8	12.2
	VERMONT	28	8	.6	2.5	.5	.8	1.7	5.1	5.9	10.9	.1	.5	3.7
	MASSACHUSETTS	526	200	28.6	163.1	22.7	43.8	104.0	337.9	219.2	550.3	16.2	26.3	255.1
	RHODE ISLAND	724	227	24.2	118.2	20.6	38.4	82.0	240.4	179.6	416.2	5.2	21.2	152.3
	CONNECTICUT	234	94	15.7	98.4	13.2	26.2	73.8	233.3	162.5	392.2	10.7	16.2	190.2
	MIDDLE ATLANTIC DIVISION	5 197	1 454	141.8	760.1	116.9	224.3	520.0	1 519.4	1 424.9	2 929.1	65.9	147.0	1 276.6
	NEW YORK	3 890	1 013	89.7	478.3	74.1	141.3	323.6	943.8	959.7	1 884.1	25.3	91.3	771.8
	NEW JERSEY	677	236	26.6	140.7	22.0	42.6	95.6	268.2	233.3	507.7	25.1	29.0	239.8
	PENNSYLVANIA	630	205	25.5	141.1	20.8	40.4	100.8	307.3	231.9	537.3	15.5	26.7	265.0
	NORTH CENTRAL REGION	3 037	952	111.5	637.9	88.0	169.9	422.4	1 219.9	935.1	2 141.6	54.8	101.1	979.8
	EAST NORTH CENTRAL DIVISION	2 271	731	88.7	525.9	69.8	136.1	348.7	996.1	770.9	1 755.5	42.9	80.1	806.8
	OHIO	505	155	19.7	115.1	14.9	28.7	73.0	223.7	182.8	403.0	9.7	19.6	171.0
	INDIANA	251	76	10.5	66.2	8.1	16.2	44.5	132.9	86.4	217.3	3.4	8.4	91.2
	ILLINOIS	823	318	37.2	216.7	30.2	58.4	146.6	394.9	325.6	717.6	18.3	32.0	310.7
	MICHIGAN	431	103	12.2	75.8	9.8	19.2	51.9	137.0	105.0	240.0	5.6	11.7	146.3
	WISCONSIN	261	79	9.1	52.1	7.0	13.5	32.6	107.7	71.1	177.6	5.8	8.5	87.6
	WEST NORTH CENTRAL DIVISION	766	221	22.8	112.0	18.1	33.8	73.7	223.8	164.1	386.1	11.9	21.0	173.0
	MINNESOTA	195	66	7.2	34.6	6.0	10.8	24.1	65.0	57.6	123.3	4.6	6.0	50.8
	IOWA	135	41	5.6	29.7	4.2	8.2	18.6	64.8	36.5	99.8	3.0	5.4	51.3
	MISSOURI	249	82	6.8	32.9	5.4	10.0	21.1	62.7	49.9	112.0	1.9	6.9	47.6
	NORTH DAKOTA[6]	14	2	.2	1.0	.2	.4	.7	1.6	.7	2.3	(Z)	.2	1.4
	SOUTH DAKOTA	24	5	.2	.8	.2	.3	.6	1.5	1.1	2.7	(Z)	.2	1.1
	NEBRASKA	64	17	1.7	7.3	1.3	2.5	5.0	16.5	11.0	27.3	1.1	1.6	14.1
	KANSAS	85	8	1.0	5.5	.9	1.6	3.6	11.8	7.4	18.8	1.3	.8	6.7
	SOUTH REGION	2 157	496	58.5	269.8	48.9	94.8	192.5	569.4	481.4	1 036.8	40.7	43.6	349.7
	SOUTH ATLANTIC DIVISION	1 031	231	28.2	134.7	23.7	46.1	96.0	277.4	209.8	477.5	23.0	21.5	176.9
	DELAWARE	19	3	.2	.9	.2	.4	.6	1.8	.7	2.4	(Z)	.2	.7
	MARYLAND	123	39	4.4	24.4	3.4	6.8	17.3	42.3	31.2	73.1	3.2	3.1	24.7
	DISTRICT OF COLUMBIA	24	3	.2	1.4	.2	.3	1.0	2.4	1.0	3.4	(Z)	.2	2.0
	VIRGINIA	93	25	3.7	18.6	3.0	5.7	12.6	34.7	27.3	60.5	2.2	3.4	32.3
	WEST VIRGINIA	40	8	1.5	7.0	1.4	2.8	6.1	11.3	15.4	26.2	.2	.8	6.1
	NORTH CAROLINA	147	36	4.1	17.5	3.5	6.9	12.4	42.4	37.9	78.6	7.9	2.7	18.3
	SOUTH CAROLINA	52	21	4.3	19.2	3.7	7.3	14.2	40.4	24.9	62.8	4.5	3.2	29.7
	GEORGIA	147	40	5.8	27.4	4.9	9.7	19.1	67.4	46.4	111.1	3.8	4.6	40.6
	FLORIDA	386	56	4.0	18.2	3.3	6.2	12.6	34.7	25.0	59.2	1.2	3.1	22.5
	EAST SOUTH CENTRAL DIVISION	407	135	17.6	79.4	14.7	28.6	56.4	174.3	163.0	331.7	10.9	11.6	90.1
	KENTUCKY	92	28	3.3	17.2	2.6	5.0	11.5	33.3	29.9	61.8	3.3	1.8	15.4
	TENNESSEE	184	68	8.6	39.4	7.1	13.8	27.6	77.2	74.1	147.3	5.3	5.8	39.8
	ALABAMA	89	23	2.5	10.3	2.2	4.3	7.4	22.2	25.1	46.5	1.2	1.6	10.0
	MISSISSIPPI	42	16	3.2	12.5	2.8	5.4	9.9	41.5	33.9	76.2	1.1	2.4	24.9
	WEST SOUTH CENTRAL DIVISION	719	130	12.7	55.7	10.6	20.2	40.1	117.8	108.7	227.6	6.7	10.5	82.8
	ARKANSAS	58	20	3.6	14.3	3.1	6.1	11.4	33.8	35.2	71.2	3.7	3.0	23.6
	LOUISIANA	94	11	1.4	6.2	1.1	2.1	4.3	11.2	11.8	23.0	.4	1.0	6.4
	OKLAHOMA	99	11	1.3	5.8	1.1	2.1	4.4	13.1	14.7	27.4	.2	1.1	12.5
	TEXAS	468	88	6.5	29.4	5.2	9.8	20.0	59.6	47.0	105.9	2.4	5.3	40.2
	WEST REGION	2 078	395	40.1	230.4	31.5	59.5	147.7	457.7	351.4	803.8	18.8	32.0	335.0
	MOUNTAIN DIVISION	375	52	4.9	24.2	4.0	7.5	15.9	42.5	32.4	74.4	1.4	3.7	29.6
	MONTANA[6]	24	2	.3	1.0	.2	.3	.7	1.5	1.0	2.5	(Z)	.2	2.0
	IDAHO	33	2	.3	1.5	.3	.6	1.1	2.7	1.5	4.0	.1	.3	1.7
	COLORADO	122	25	2.0	10.0	1.6	2.9	6.4	17.6	12.8	29.7	.4	(D)	(D)
	NEW MEXICO	38	6	.7	3.1	.6	1.2	2.0	5.4	2.8	8.3	.2	(D)	(D)
	ARIZONA	82	9	.7	3.3	.6	1.0	2.4	6.3	5.7	12.1	.4	.5	3.6
	UTAH	43	7	.8	4.5	.6	1.2	2.8	6.8	7.4	14.4	.2	.7	4.9
	PACIFIC DIVISION	1 703	343	35.2	206.3	27.5	52.0	131.7	415.2	319.0	729.4	17.5	28.3	305.4
	WASHINGTON	172	29	1.8	10.4	1.4	2.6	7.4	18.7	11.8	30.4	1.0	1.8	14.9
	OREGON	109	24	1.8	10.0	1.4	2.6	6.4	17.7	12.1	29.6	.6	1.5	11.5
	CALIFORNIA	1 376	287	31.1	184.4	24.2	46.1	117.0	376.3	293.6	665.3	15.8	24.7	277.6
	HAWAII	37	3	.5	1.3	.4	.7	.8	2.0	1.2	3.1	.1	.3	1.3
391	JEWELRY, SILVERWARE, PLATED WARE	2 212	472	52.3	319.8	41.6	82.1	216.9	640.9	677.7	1 299.0	14.1	43.2	415.7
	NORTHEAST REGION	1 716	389	43.7	271.2	35.2	69.2	184.2	546.1	606.8	1 132.4	12.2	36.3	343.5
	NEW ENGLAND DIVISION	468	167	23.6	140.7	19.3	38.3	97.8	284.4	203.9	478.1	8.0	19.3	170.5
	MASSACHUSETTS	112	51	8.7	54.4	6.5	13.3	32.4	101.7	65.6	163.3	3.2	7.1	61.6
	RHODE ISLAND	325	103	10.7	57.1	8.9	17.1	38.3	123.1	89.1	208.5	2.6	8.5	72.0
	CONNECTICUT	26	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	1 248	222	20.1	130.5	15.9	30.9	86.4	261.7	402.9	654.3	4.2	17.1	173.1
	NEW YORK	1 069	172	15.9	104.2	12.5	24.3	68.9	218.8	355.1	562.8	3.7	12.9	137.0
	NEW JERSEY	112	41	3.6	23.0	2.9	5.8	15.2	35.9	40.3	77.3	.4	3.6	31.1
	PENNSYLVANIA	67	9	.5	3.3	.5	.9	2.4	7.1	7.5	14.3	.1	.5	5.0

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
391	JEWELRY, SILVERWARE, PLATED WARE--CONTINUED													
	NORTH CENTRAL REGION	177	44	4.9	29.3	3.4	7.1	18.8	53.3	39.2	94.0	1.3	(D)	(D)
	EAST NORTH CENTRAL DIVISION	144	34	3.8	23.6	2.7	5.5	14.7	47.4	33.8	80.5	(D)	(D)	(D)
	OHIO	38	6	.5	3.0	.4	.7	2.0	6.4	5.3	11.5	(Z)	.4	4.9
	INDIANA	21	7	1.2	8.3	.8	1.7	5.0	17.4	7.2	24.2	.7	.9	12.5
	ILLINOIS[e]	53	13	1.5	8.6	1.2	2.4	5.9	15.8	13.7	29.7	.3	1.2	12.2
	MICHIGAN	24	8	.5	3.6	.3	.6	1.8	7.5	7.5	14.7	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	33	10	1.2	5.7	.8	1.6	4.1	6.0	5.3	13.6	(D)	(D)	(D)
	MINNESOTA	13	2	.7	3.0	.4	.9	2.2	2.0	3.0	7.4	(D)	.7	8.8
	MISSOURI	10	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	97	13	1.3	6.6	1.0	2.0	4.7	14.2	7.0	21.1	.2	(D)	(D)
	SOUTH ATLANTIC DIVISION	50	6	.6	3.3	.5	.9	2.3	7.1	3.4	10.5	.1	(D)	(D)
	MARYLAND	5	3	.3	1.9	.2	.5	1.3	4.5	1.5	5.9	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	35	5	.5	2.8	.4	.8	1.9	6.2	3.1	9.3	.1	(D)	(D)
	TEXAS	27	4	.5	2.5	.4	.7	1.8	5.8	2.7	8.5	(D)	.3	2.8
	WEST REGION	222	26	2.4	12.8	2.0	3.8	9.2	27.3	24.7	51.4	.4	1.8	19.0
	MOUNTAIN DIVISION	36	7	.8	3.2	.7	1.3	2.3	4.6	8.1	12.7	.1	.5	3.1
	NEW MEXICO	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	UTAH	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	186	19	1.6	9.5	1.3	2.5	6.8	22.6	16.6	38.7	.3	1.3	15.9
	WASHINGTON	20	3	.2	1.2	.2	.3	.9	1.8	1.3	3.1	.1	(D)	(D)
	OREGON	9	2	.2	1.2	.1	.3	.7	2.0	1.3	3.3	(D)	1.3	1.1
	CALIFORNIA	146	12	1.2	6.8	.9	1.8	4.9	18.2	13.3	31.0	.2	1.0	13.7
393	MUSICAL INSTRUMENTS AND PARTS	343	121	24.9	143.7	20.8	39.9	106.0	237.8	202.4	434.3	10.6	20.1	179.0
	NORTHEAST REGION	115	33	4.2	25.1	3.4	6.8	17.6	39.6	25.8	63.5	.7	4.2	33.9
	NEW ENGLAND DIVISION	32	8	.7	4.9	.6	1.1	3.0	7.5	4.3	11.6	.2	.8	7.3
	MASSACHUSETTS	21	5	.3	2.0	.3	.6	1.5	4.0	1.7	5.7	(Z)	.3	3.0
	CONNECTICUT	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MIDDLE ATLANTIC DIVISION	83	25	3.4	20.1	2.9	5.7	14.6	32.1	21.6	51.8	.5	3.4	26.6
	NEW YORK	49	15	2.1	13.2	1.7	3.3	9.0	19.3	14.2	32.4	.3	2.2	17.7
	NEW JERSEY	18	3	.4	1.9	.3	.6	1.5	4.5	2.1	6.4	.1	.3	2.3
	PENNSYLVANIA	16	7	1.0	5.1	.9	1.8	4.1	8.2	5.3	13.1	.1	.8	6.6
	NORTH CENTRAL REGION	125	58	12.9	82.5	10.6	20.3	60.7	140.3	110.1	246.1	5.2	10.5	108.6
	EAST NORTH CENTRAL DIVISION	111	56	12.7	81.2	10.4	19.9	59.7	137.4	108.5	241.7	(D)	10.3	107.6
	OHIO[e]	17	6	1.0	6.0	.9	1.6	5.0	7.1	5.4	12.5	.6	1.1	7.4
	INDIANA	30	15	3.0	22.2	2.4	4.8	16.6	45.1	31.2	74.9	1.4	2.2	22.3
	ILLINOIS	40	23	6.2	37.4	5.0	9.3	25.8	62.5	53.9	114.8	2.1	5.0	56.5
	MICHIGAN	13	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	14.2
	WISCONSIN	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	7.2
	WEST NORTH CENTRAL DIVISION	14	2	.2	1.3	.2	.4	1.0	2.9	1.6	4.4	(D)	.1	1.0
	KANSAS	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	46	18	5.4	22.6	4.7	9.0	17.6	37.0	45.1	83.1	1.4	4.2	27.2
	SOUTH ATLANTIC DIVISION	25	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MARYLAND	8	3	.6	3.4	.5	.9	2.7	4.6	2.0	6.1	(D)	(D)	(D)
	NORTH CAROLINA	7	4	.5	2.1	.4	.8	1.4	3.2	5.1	8.2	.5	(D)	(D)
	SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	13	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ARKANSAS	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	57	12	2.4	13.6	2.0	3.8	10.0	20.9	21.4	41.7	3.3	(D)	(D)
	MOUNTAIN DIVISION	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	.3
	ARIZONA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	48	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	9.0
	WASHINGTON	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	38	7	1.9	11.1	1.6	3.1	8.2	15.8	18.9	34.1	(D)	1.0	6.9
394	TOYS AND SPORTING GOODS	2 435	874	115.9	559.0	97.1	183.5	386.3	1 205.3	1 018.1	2 208.3	62.1	113.1	977.8
	NORTHEAST REGION	945	399	48.5	223.3	41.4	76.9	154.6	468.5	404.9	880.6	22.2	56.5	448.5
	NEW ENGLAND DIVISION	208	89	12.7	61.0	10.9	19.9	44.2	137.0	97.0	233.9	8.3	13.4	122.9
	NEW HAMPSHIRE	15	6	.6	2.1	.5	.9	1.6	4.6	1.9	6.7	.4	1.0	6.4
	VERMONT	12	4	.2	1.0	.2	.4	.7	1.7	2.1	3.8	.1	(D)	(D)
	MASSACHUSETTS	95	46	7.8	39.2	6.5	12.4	28.0	90.3	63.9	153.3	6.8	7.5	79.5
	RHODE ISLAND	22	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	14.4
	CONNECTICUT[e]	49	19	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	19.0

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
394	TOYS AND SPORTING GOODS--CON.													
	MIDDLE ATLANTIC DIVISION	737	310	35.8	162.3	30.5	57.1	110.5	331.5	308.0	646.6	13.9	43.1	325.5
	NEW YORK	515	208	21.4	96.2	18.2	33.9	64.4	204.8	188.9	390.2	7.8	25.4	198.3
	NEW JERSEY	112	53	8.8	40.0	7.5	14.0	27.0	81.5	69.5	160.6	4.0	9.7	73.6
	PENNSYLVANIA	110	49	5.6	26.1	4.8	9.1	19.1	45.2	49.6	95.8	2.1	8.0	53.6
	NORTH CENTRAL REGION	670	259	33.4	169.7	27.6	52.7	118.3	363.7	310.4	663.2	23.3	31.2	294.9
	EAST NORTH CENTRAL DIVISION	489	194	25.6	134.4	20.8	40.4	92.6	282.9	241.8	516.3	16.5	24.6	246.5
	OHIO	90	33	7.5	42.4	5.7	11.0	26.1	94.7	78.2	167.4	4.2	6.9	57.7
	INDIANA	42	16	1.5	7.3	1.2	2.4	5.3	13.3	10.5	23.7	.4	1.2	8.9
	ILLINOIS	167	77	9.0	46.4	7.6	14.7	34.8	93.7	92.1	184.2	7.5	8.2	76.9
	MICHIGAN	117	39	5.1	27.7	4.2	8.3	18.9	58.5	43.8	102.1	3.6	5.4	84.2
	WISCONSIN	73	29	2.4	10.6	2.1	4.1	7.6	22.7	17.2	39.0	.8	2.8	18.9
	WEST NORTH CENTRAL DIVISION	181	65	7.8	35.3	6.8	12.3	25.7	80.8	68.6	146.9	6.8	6.6	48.4
	MINNESOTA	62	27	3.9	17.8	3.4	5.8	12.8	41.1	38.4	78.1	4.1	2.2	19.6
	IOWA	29	11	1.8	8.0	1.5	2.9	5.8	21.0	10.4	30.6	1.7	1.5	12.7
	MISSOURI	56	21	1.8	7.9	1.6	3.0	5.9	15.8	17.1	32.8	.8	2.7	14.5
	NEBRASKA	10	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS[e]	19	2	.2	.8	.1	.2	.6	1.1	.9	2.0	(Z)	.1	.8
	SOUTH REGION	380	112	17.9	80.9	15.3	29.6	59.4	173.9	143.9	310.2	10.6	13.7	105.6
	SOUTH ATLANTIC DIVISION	164	41	8.3	39.0	7.1	13.9	28.5	79.4	59.9	136.1	3.7	6.2	50.1
	MARYLAND	15	5	1.0	6.2	.8	1.6	4.3	11.0	7.9	18.7	(D)	.6	5.3
	VIRGINIA	9	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	8	4	1.2	5.2	1.1	2.2	4.8	7.4	11.0	18.2	(D)	.7	5.0
	NORTH CAROLINA	19	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	2.7
	SOUTH CAROLINA	14	5	1.7	7.4	1.5	2.9	5.5	15.8	9.8	24.1	1.3	(D)	(D)
	GEORGIA	20	7	1.2	5.7	1.0	2.1	4.3	12.6	8.6	21.4	.1	(D)	(D)
	FLORIDA[e]	78	15	1.2	4.4	1.1	2.0	3.2	9.8	7.1	16.8	.3	.8	4.7
	EAST SOUTH CENTRAL DIVISION	75	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.0	20.1
	KENTUCKY	11	4	1.0	6.1	.8	1.6	4.2	14.4	8.1	21.4	.8	(D)	(D)
	TENNESSEE	29	16	2.3	9.7	1.9	3.6	7.3	19.6	14.3	31.1	.6	(D)	(D)
	ALABAMA	25	8	1.1	4.8	1.0	2.0	3.4	10.6	13.3	23.3	.8	.6	3.9
	WEST SOUTH CENTRAL DIVISION	141	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.6	35.4
	ARKANSAS	18	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	15.0
	LOUISIANA	20	3	.5	2.0	.4	.9	1.4	3.6	6.1	9.6	(D)	(D)	(D)
	OKLAHOMA	19	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	84	23	1.9	8.0	1.6	2.9	5.3	16.5	12.5	28.5	.8	2.0	12.2
	WEST REGION	440	104	16.1	85.1	12.8	24.1	53.9	199.1	158.9	354.2	6.0	11.7	128.9
	MOUNTAIN DIVISION	64	8	1.5	5.6	1.3	2.4	4.4	10.3	5.5	15.3	.3	.9	4.1
	IDAHO	13	1	.3	.9	.2	.4	.7	1.5	.9	2.3	(D)	(D)	(D)
	COLORADO	15	4	.8	3.1	.8	1.4	2.6	5.6	2.4	7.5	.1	.6	2.5
	NEW MEXICO	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	376	96	14.6	79.5	11.5	21.7	49.5	188.8	153.4	338.9	5.7	10.8	124.8
	WASHINGTON	43	8	.5	1.7	.4	.7	1.3	4.5	3.3	7.9	.2	(D)	(D)
	OREGON	30	6	.6	2.5	.5	.9	1.8	5.1	3.3	8.2	.3	.6	3.3
	CALIFORNIA	303	82	13.5	75.3	10.6	20.1	46.4	179.3	146.8	322.9	5.3	9.9	119.1
395	PENS, PENCILS, OFFICE, ART GOODS	959	292	34.7	200.1	25.5	50.1	116.3	412.1	318.3	723.7	23.0	31.6	337.7
	NORTHEAST REGION	366	136	15.4	85.9	11.8	22.8	52.3	192.0	152.5	341.6	9.8	14.7	150.3
	NEW ENGLAND DIVISION	79	26	3.3	20.1	2.3	4.6	11.4	59.6	29.6	87.5	4.5	2.6	44.4
	MASSACHUSETTS	41	9	.7	3.8	.5	.9	2.1	6.9	5.9	12.9	.3	.8	13.3
	RHODE ISLAND	9	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.8
	CONNECTICUT	26	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	27.2
	MIDDLE ATLANTIC DIVISION	287	110	12.2	65.8	9.4	18.2	40.9	132.4	122.9	254.2	5.3	12.1	105.9
	NEW YORK	170	61	6.2	34.8	4.8	9.1	20.5	68.9	72.0	140.5	2.5	6.3	55.6
	NEW JERSEY	67	33	3.6	18.4	2.8	5.9	12.2	35.9	34.5	70.3	2.2	3.5	28.8
	PENNSYLVANIA	50	16	2.3	12.6	1.8	3.3	8.2	27.5	16.5	43.4	.5	2.2	21.5
	NORTH CENTRAL REGION	234	82	10.5	65.6	7.2	14.3	36.4	129.4	84.0	212.3	4.9	(D)	(D)
	EAST NORTH CENTRAL DIVISION	177	63	7.3	47.6	4.9	9.7	26.0	94.6	63.8	158.2	4.1	(D)	(D)
	OHIO	42	12	1.9	11.3	1.2	2.5	6.3	19.5	18.6	39.2	.9	1.5	15.9
	INDIANA	16	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	75	38	3.0	18.5	2.2	4.2	10.3	39.7	28.3	67.7	2.3	2.4	24.8
	MICHIGAN	32	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	5.3
	WISCONSIN	12	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	57	19	3.2	17.9	2.3	4.6	10.5	34.8	20.2	54.1	.7	(D)	(D)
	MINNESOTA	11	6	.3	1.3	.2	.4	1.0	2.3	1.0	3.3	(Z)	(D)	(D)
	IOWA	9	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	23	8	.9	4.9	.7	1.4	2.9	9.3	6.7	15.9	.2	.9	6.6
	KANSAS	9	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	194	42	5.4	25.8	4.3	8.5	15.9	56.9	48.2	101.0	5.2	(D)	(D)
	SOUTH ATLANTIC DIVISION	88	18	2.6	12.6	2.0	3.8	7.4	29.3	17.5	43.7	2.9	(D)	(D)
	VIRGINIA	8	3	.2	.7	.1	.3	.5	1.4	1.4	2.8	(D)	(D)	(D)
	GEORGIA	17	11	2.0	9.9	1.5	3.0	5.7	21.0	12.3	31.0	2.3	(D)	(D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
395	PENS, PENCILS, OFFICE, ART GOODS--CONTINUED													
	EAST SOUTH CENTRAL DIVISION	44	19	2.5	11.5	2.1	4.2	7.4	23.4	26.9	49.2	2.1	(D)	(D)
	KENTUCKY	11	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	29	14	2.2	9.5	1.8	3.7	6.3	19.4	21.0	39.5	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	62	5	.3	1.7	.2	.4	1.1	4.2	3.8	8.1	.2	(D)	(D)
	TEXAS	47	4	.3	1.4	.2	.4	.9	3.5	3.4	6.9	(D)	(D)	(D)
	WEST REGION	165	32	3.4	22.9	2.2	4.5	11.6	33.8	33.6	68.7	3.2	3.2	43.5
	MOUNTAIN DIVISION	25	5	.3	2.3	.1	.3	.7	3.8	5.4	9.1	.1	.3	3.6
	COLORADO	12	4	.3	2.2	.1	.2	.6	3.3	4.7	7.9	(Z)	.2	3.1
	PACIFIC DIVISION	140	27	3.1	20.3	2.1	4.2	11.0	30.1	28.2	59.6	3.1	2.9	40.0
	CALIFORNIA	115	25	2.9	19.2	2.0	4.0	10.3	28.2	27.0	56.6	3.1	2.7	38.3
396	COSTUME JEWELRY AND NOTIONS	1 608	485	51.6	251.9	43.9	84.3	175.9	528.0	405.8	927.3	21.7	52.5	414.8
	NORTHEAST REGION	1 244	392	39.9	201.3	33.8	65.1	138.4	388.3	297.4	681.4	12.4	43.2	324.6
	NEW ENGLAND DIVISION	378	143	18.2	97.7	15.6	29.9	66.0	188.9	125.7	311.7	6.9	19.6	152.4
	MASSACHUSETTS	55	20	3.2	20.6	2.7	5.1	11.2	56.4	25.8	80.7	2.0	3.7	35.3
	RHODE ISLAND	269	90	9.2	41.7	7.9	15.0	29.4	74.7	65.0	138.9	1.6	(D)	(D)
	CONNECTICUT	45	31	5.6	34.4	4.7	9.4	24.6	56.0	34.4	89.9	3.3	6.2	59.4
	MIDDLE ATLANTIC DIVISION	866	249	21.7	103.6	18.2	35.2	72.5	199.4	171.7	369.6	5.5	23.7	172.2
	NEW YORK	777	215	16.9	77.9	14.5	28.0	56.0	159.2	139.9	297.2	3.3	18.3	132.1
	NEW JERSEY	50	17	2.1	10.3	1.7	3.4	7.3	17.6	14.9	32.7	1.2	2.9	23.5
	PENNSYLVANIA	39	17	2.7	15.5	2.0	3.8	9.2	22.6	16.9	39.7	1.0	2.4	16.6
	NORTH CENTRAL REGION	138	35	3.4	15.3	2.8	4.9	9.9	32.1	27.8	59.7	1.5	3.9	32.5
	EAST NORTH CENTRAL DIVISION	96	24	2.0	9.4	1.6	2.9	6.0	17.0	14.7	31.4	.7	1.9	16.5
	OHIO	13	2	.2	.6	.2	.2	.4	1.4	1.3	2.7	(Z)	.2	1.4
	ILLINOIS	48	19	1.5	7.3	1.2	2.1	4.6	13.2	11.6	24.7	.5	1.3	11.2
	WISCONSIN	21	2	.3	1.1	.2	.4	.8	1.7	1.0	2.7	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	42	11	1.4	6.0	1.1	2.1	3.9	15.0	13.2	28.3	.8	2.0	15.9
	IOWA	14	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	9	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEBRASKA	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	SOUTH REGION	112	40	6.7	27.9	6.0	11.8	22.5	92.8	68.0	159.5	7.3	4.0	46.8
	SOUTH ATLANTIC DIVISION	76	26	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	10	5	.9	3.8	.9	1.5	3.3	5.5	5.9	11.3	1.1	.8	4.7
	NORTH CAROLINA	13	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.7
	SOUTH CAROLINA	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	10	4	1.4	5.7	1.3	2.6	4.8	21.7	16.9	38.4	.9	(D)	(D)
	FLORIDA	21	3	.2	.7	.2	.3	.6	1.3	1.0	2.2	(Z)	.2	1.7
	EAST SOUTH CENTRAL DIVISION	17	10	1.7	7.4	1.5	3.2	5.9	36.4	19.7	56.2	1.3	.9	18.0
	KENTUCKY	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TENNESSEE	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ALABAMA	5	4	.5	1.7	.4	.9	1.4	4.6	2.6	7.1	(D)	(D)	(D)
	MISSISSIPPI	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	19	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	15	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST REGION	114	18	1.6	7.4	1.4	2.6	5.1	14.8	12.5	26.8	.6	(D)	(D)
	MOUNTAIN DIVISION[6]	21	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MONTANA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	93	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	80	15	1.4	6.5	1.2	2.2	4.4	13.1	10.9	23.5	(D)	1.1	9.6
399	MISCELLANEOUS MANUFACTURES	6 515	1 601	143.8	816.4	115.4	221.9	551.2	1 575.2	1 151.1	2 718.0	81.9	130.3	1 236.6
	NORTHEAST REGION	2 414	653	61.4	346.0	50.3	96.8	242.7	717.7	518.0	1 229.0	41.8	59.1	596.3
	NEW ENGLAND DIVISION	438	115	12.8	68.3	10.3	19.6	47.5	155.5	120.2	276.5	5.2	11.4	123.1
	MAINE	23	2	.5	2.3	.5	1.0	1.9	3.2	2.5	5.8	.1	.5	3.5
	NEW HAMPSHIRE	23	5	.7	4.0	.7	1.3	3.2	4.9	5.9	10.9	.2	.6	4.0
	VERMONT	11	4	.3	1.4	.2	.4	.9	3.1	3.6	6.8	.1	.3	2.5
	MASSACHUSETTS	202	69	7.9	43.0	6.1	11.6	29.0	78.5	56.4	134.5	3.9	6.8	62.4
	RHODE ISLAND	96	19	1.3	5.8	1.1	2.0	4.2	10.3	5.6	15.9	.2	1.0	6.2
	CONNECTICUT	83	16	2.1	11.8	1.7	3.3	8.3	55.4	46.1	102.7	.7	2.2	44.5
	MIDDLE ATLANTIC DIVISION	1 976	538	48.6	277.7	40.0	77.2	195.3	562.3	397.8	952.6	36.6	47.7	473.3
	NEW YORK	1 310	342	27.1	152.0	22.3	42.7	104.9	272.7	189.6	461.1	7.7	26.1	231.0
	NEW JERSEY	318	89	8.1	47.2	6.7	13.0	32.6	92.8	72.0	160.5	17.2	8.9	80.5
	PENNSYLVANIA	348	107	13.3	78.5	10.9	21.6	57.8	196.8	136.2	331.0	11.7	12.7	161.7

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
399	MISCELLANEOUS MANUFACTURES--CONTINUED													
	NORTH CENTRAL REGION	1 693	474	46.3	275.5	36.3	70.6	178.3	501.1	363.6	866.3	18.7	42.1	392.9
	EAST NORTH CENTRAL DIVISION	1 254	360	37.3	229.8	29.4	57.8	149.6	416.9	308.4	727.4	15.4	34.1	328.8
	OHIO	305	96	8.6	51.7	6.5	12.7	33.2	94.6	74.0	169.7	3.9	9.4	83.7
	INDIANA[e]	138	34	4.3	26.0	3.3	6.7	16.2	52.3	34.3	86.8	.8	3.6	44.0
	ILLINOIS	440	148	16.0	98.5	13.0	25.7	65.3	169.9	126.0	296.5	5.6	14.0	129.1
	MICHIGAN[e]	235	43	4.2	29.2	3.4	6.5	19.3	48.3	34.0	81.9	1.4	3.9	37.6
	WISCONSIN	136	39	4.2	24.4	3.2	6.2	15.6	51.8	40.1	92.4	3.7	3.2	34.4
	WEST NORTH CENTRAL DIVISION	439	114	9.0	45.8	6.9	12.8	28.6	84.3	55.3	138.9	3.3	7.9	64.1
	MINNESOTA	95	30	2.3	12.3	1.9	3.6	8.1	19.0	14.9	33.8	.5	2.7	18.7
	IOWA	80	21	1.7	9.4	1.3	2.3	6.0	21.1	12.1	33.0	.8	1.3	13.8
	MISSOURI	150	46	3.6	18.0	2.7	5.0	10.8	33.0	20.9	53.8	.9	2.9	23.6
	SOUTH DAKOTA	14	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.6
	NEBRASKA	43	11	.6	2.5	.5	.8	1.7	4.8	3.1	7.7	.2	(D)	(D)
	KANSAS	46	3	.5	2.7	.4	.7	1.5	4.9	3.1	8.0	.9	.4	3.4
	SOUTH REGION	1 328	271	21.9	106.1	17.7	33.9	72.4	194.6	169.2	361.8	16.0	16.4	123.9
	SOUTH ATLANTIC DIVISION	628	131	10.4	52.7	8.6	16.7	36.3	95.4	73.6	167.6	9.8	8.5	63.5
	DELAWARE	12	2	.2	.6	.1	.3	.4	1.2	.3	1.5	(Z)	.2	.5
	MARYLAND	79	27	2.2	12.3	1.8	3.6	8.6	20.8	18.8	39.9	2.0	1.6	12.4
	DISTRICT OF COLUMBIA	16	2	.2	1.1	.1	.2	.7	1.8	.7	2.4	(D)	.2	1.4
	VIRGINIA	59	12	1.1	6.1	.9	1.8	4.1	10.7	9.1	19.6	.5	1.0	7.7
	WEST VIRGINIA	24	4	.3	1.8	.3	.6	1.2	3.8	4.3	7.8	(D)	.2	1.0
	NORTH CAROLINA	93	21	1.9	8.4	1.6	3.3	6.0	15.3	13.6	28.6	5.5	1.3	8.3
	SOUTH CAROLINA	26	10	.9	4.8	.8	1.5	3.2	9.4	3.5	12.3	.3	.8	8.5
	GEORGIA	93	18	1.2	6.0	1.0	1.9	4.2	11.8	8.3	19.9	.6	1.4	9.3
	FLORIDA	226	35	2.3	11.7	1.9	3.5	7.9	20.7	15.1	35.5	.7	1.9	14.5
	EAST SOUTH CENTRAL DIVISION	246	66	6.0	28.1	4.8	9.1	19.1	50.6	55.5	105.5	4.6	3.6	26.2
	KENTUCKY	61	18	1.8	8.0	1.4	2.5	5.4	11.5	14.2	25.4	1.8	.7	5.5
	TENNESSEE	109	32	3.1	15.1	2.4	4.6	10.2	29.7	29.9	59.5	2.4	1.9	14.7
	ALABAMA	54	11	.9	3.7	.8	1.5	2.6	6.7	9.0	15.7	.2	.7	4.5
	MISSISSIPPI	22	5	.3	1.3	.2	.4	.9	2.6	2.3	4.9	.2	.2	1.4
	WEST SOUTH CENTRAL DIVISION	454	74	5.4	25.3	4.3	8.1	17.0	48.5	40.1	88.7	1.6	4.4	34.2
	ARKANSAS	32	10	.6	2.4	.5	.9	1.6	4.7	3.9	8.6	.1	.6	3.9
	LOUISIANA	64	7	.8	3.9	.6	1.2	2.7	7.1	5.3	12.5	.2	.7	5.1
	OKLAHOMA	68	5	.6	3.0	.5	.9	2.1	5.5	5.2	10.7	.1	.5	4.0
	TEXAS	290	52	3.5	15.9	2.7	5.1	10.6	31.3	25.7	56.8	1.2	2.6	21.3
	WEST REGION	1 080	203	14.2	88.7	11.0	20.7	57.8	161.7	100.3	260.9	5.4	12.8	123.4
	MOUNTAIN DIVISION	220	27	1.9	11.4	1.5	2.8	7.4	20.6	11.9	32.6	.5	1.8	17.8
	COLORADO	79	14	.8	4.0	.6	1.1	2.7	7.9	4.4	12.2	.2	.6	5.9
	ARIZONA[e]	43	4	.3	1.8	.2	.4	1.2	3.1	1.9	5.0	.1	.3	2.6
	UTAH	30	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.5
	PACIFIC DIVISION	860	176	12.3	77.3	9.5	17.8	50.4	141.1	88.4	228.3	4.8	10.9	105.6
	WASHINGTON	84	15	.8	5.8	.6	1.2	4.0	10.1	4.9	14.9	.7	1.1	8.8
	OREGON	58	14	.8	5.1	.6	1.1	3.1	8.1	6.3	14.4	.2	.7	6.1
	CALIFORNIA	694	146	10.3	65.5	8.0	15.0	42.8	121.8	76.7	197.2	3.9	9.0	90.0
	HAWAII	21	1	.3	.8	.3	.5	.4	1.1	.6	1.7	(D)	.2	.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Miscellaneous manufacturing industries (SIC 39)	Jewelry, silverware, and plated ware (SIC 391)	Musical instruments and parts (SIC 393)	Toys and sporting goods (SIC 394)	Pens, pencils, office, and art supplies (SIC 395)	Costume jewelry and notions (SIC 396)	Miscellaneous manufactures (SIC 399)
ESTABLISHMENTS, TOTAL ..... NUMBER	14 072	2 212	343	2 435	959	1 608	6 515
WITH 1 TO 19 EMPLOYEES ..... DO	10 227	1 740	222	1 561	667	1 123	4 914
WITH 20 TO 99 EMPLOYEES ..... DO	2 997	382	63	628	215	379	1 330
WITH 100 EMPLOYEES OR MORE ..... DO	848	90	58	246	77	106	271
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	423.1	52.3	24.9	115.9	34.7	51.6	143.8
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	2 291.0	319.8	143.7	559.0	200.1	251.9	816.4
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	344.4	41.6	20.8	97.1	25.5	43.9	115.4
MARCH ..... DO	325.1	41.2	21.0	84.4	25.2	41.1	112.2
MAY ..... DO	338.8	41.2	20.4	94.8	25.5	42.6	114.2
AUGUST ..... DO	353.5	41.7	20.6	103.0	25.5	45.8	116.9
NOVEMBER ..... DO	359.9	42.5	21.0	106.2	25.8	46.3	118.1
MAN-HOURS ..... MILLIONS	662.0	82.1	39.9	183.5	50.1	84.3	221.9
JANUARY-MARCH ..... DO	158.2	20.4	10.3	39.9	12.4	20.5	54.7
APRIL-JUNE ..... DO	164.2	20.4	9.9	45.2	12.8	20.7	55.2
JULY-SEPTEMBER ..... DO	165.2	19.6	9.2	48.0	12.2	21.2	54.9
OCTOBER-DECEMBER ..... DO	174.4	21.7	10.5	50.4	12.7	22.0	57.2
WAGES ..... MILLION DOLLARS	1 552.5	216.9	106.0	386.3	116.3	175.9	551.2
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	3 773.4	677.7	202.4	1 018.0	318.3	405.8	1 151.1
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	3 263.8	578.6	177.6	888.2	277.4	346.6	995.4
COST OF RESALES ..... DO	333.7	63.1	20.6	84.8	30.5	31.3	103.3
FUELS CONSUMED ..... DO	20.6	2.3	1.0	4.6	1.5	1.7	9.5
PURCHASED ELECTRIC ENERGY ..... DO	37.9	4.2	1.9	11.1	3.6	4.4	12.7
CONTRACT WORK ..... DO	117.4	29.5	1.3	29.4	5.2	21.8	30.2
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	8 310.7	1 299.0	434.3	2 208.3	723.7	927.3	2 718.0
VALUE OF RESALES ..... DO	487.7	79.5	27.2	121.6	45.2	62.7	151.4
VALUE ADDED BY MANUFACTURE ..... DO	4 599.4	640.9	237.8	1 205.3	412.1	528.0	1 575.2
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL ..... DO	1 359.7	244.8	118.6	390.7	113.1	123.4	369.1
FINISHED PRODUCTS ..... DO	550.2	111.8	31.3	179.0	37.9	49.4	140.8
WORK IN PROCESS ..... DO	348.4	68.9	50.9	80.8	24.7	36.9	86.2
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	461.2	64.1	36.4	130.9	50.6	37.1	142.1
END OF YEAR, TOTAL ..... DO	1 447.2	270.4	123.6	407.8	122.7	133.3	389.2
FINISHED PRODUCTS ..... DO	581.6	122.6	35.9	187.5	39.7	52.6	143.3
WORK IN PROCESS ..... DO	379.1	77.7	52.2	87.5	29.5	40.2	92.0
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	486.4	70.1	35.5	132.8	53.6	40.5	153.9
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	222.9	14.8	11.0	65.2	23.9	22.8	85.1
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	213.5	14.1	10.6	62.1	23.0	21.7	81.9
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	73.4	3.2	5.4	20.7	7.3	4.3	32.5
NEW MACHINERY AND EQUIPMENT ..... DO	140.0	10.8	5.2	41.4	15.8	17.4	49.4
USED PLANT AND EQUIPMENT ..... DO	9.4	.7	.4	3.1	.9	1.1	3.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

JEWELRY, SILVERWARE, AND PLATED WARE

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3911--Jewelry, Precious Metal
3912--Jewelers' Findings and Materials
3913--Lapidary Work
3914--Silverware Plated Ware, and Stainless Steel Ware

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3911--JEWELRY, PRECIOUS METAL

This industry comprises establishments primarily engaged in manufacturing jewelry and other articles worn on or carried about the person, made of precious metals with or without stones (including the setting of stones where used), including cigarette cases and lighters, vanity cases and compacts; trimmings for umbrellas and canes; and jewel settings and mountings. Establishments primarily engaged in manufacturing costume jewelry from nonprecious metals and other materials are classified in industry 3961. For a detailed list of products of industry 3911, refer to table 6A, product codes 3911112 to 3911298.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Jewelry, Precious Metal, Industry in 1967 totaled $742 million. This included shipments of jewelry, precious metal (primary products), valued at $609 million, shipments of other products (secondary products) valued at $63 million, and miscellaneous receipts (mainly resales) of $70 million.

This industry's shipments of jewelry, precious metal (primary products) in 1967 represented 91 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent. Secondary products shipped by this industry in 1967 included costume jewelry (SIC 3961) ($24 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 87 percent of the total industry shipments are represented by plants specializing in product classes, 69 percent in jewelry made of platinum metals or carat gold.

Industry 3911 shipments of jewelry, precious metal (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $633 million shipped by all industries. In 1963, the coverage ratio was 97 percent. Other industries shipping Jewelry, Precious Metal (primary products) included Industry 3961, Costume Jewelry, $9 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3911, these establishments accounted for 4 percent of payroll and 6 percent of value added by manufacture.

3912--JEWELERS' FINDINGS AND MATERIALS

This industry comprises establishments primarily engaged in manufacturing unassembled jewelry parts, and stock shop products such as sheet, wire, and tubing. Establishments primarily engaged in lapidary work are classified in industry 3913. For a detailed list of products of industry 3912, refer to table 6A, product codes 3912013 to 3912051.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Jewelers' Findings and Materials Industry in 1967 totaled $129 million. This included shipments of jewelers' findings and materials (primary products), valued at $109 million, shipments of other products (secondary products) valued at $12 million, and miscellaneous receipts (mainly contract work on materials owned by others) and resales of $8 million.

This industry's shipments of jewelers' findings and materials (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent.

Industry 3912 shipments of jewelers' findings and materials (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $116 million shipped by all industries. In 1963, the coverage ratio was 89 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3912, these establishments accounted for 4 percent of payroll and 6 percent of value added by manufacture.

3913--LAPIDARY WORK

This industry comprises establishments primarily engaged in cutting, slabbing, tumbling, carving, engraving, polishing, or faceting stones from natural or manmade precious or semiprecious gem raw materials, either for sale or on a contract basis for the trade; in recutting, repolishing and setting gem stones; or in cutting, drilling, and otherwise

preparing jewels for instruments, dies, watches, chronometers, and other industrial uses. This industry includes the drilling, sawing, and peeling of real or cultured pearls, but does not include the manufacture of artificial pearls (industry 3961). For a detailed list of products of industry 3913, refer to table 6A, product codes 3913011 to 3913031.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Lapidary Work Industry in 1967 totaled $89 million. This included shipments of lapidary work (primary products), valued at $76 million, shipments of other products (secondary products) valued at $4 million, and miscellaneous receipts (mainly resales) of $9 million.

This industry's shipments of lapidary work (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent.

Industry 3913 shipments of lapidary work (primary products) in 1967 represented 78 percent (coverage ratio) of these products valued at $98 million shipped by all industries. In 1963, the coverage ratio was 81 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3913, these establishments accounted for 16 percent of payroll and 20 percent of value added by manufacture.

3914--SILVERWARE, PLATED WARE, AND STAINLESS STEEL WARE

This industry comprises establishments primarily engaged in manufacturing flatware (including knives, forks, and spoons), hollowware, toiletware, ecclesiastical ware, and related products made of sterling silver; of metal plated with silver, gold, or other metal; of nickel silver; of pewter; or of stainless steel. For a detailed list of products of industry 3914, refer to table 6A, product codes 3914111 to 3914261.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Silverware and Plated Ware Industry in 1967 totaled $339 million. This included shipments of silverware and plated ware (primary products), valued at $303 million, shipments of other products (secondary products) valued at $15 million, and miscellaneous receipts (mainly resales) of $21 million.

This industry's shipments of silverware and plated ware (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 95 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 96 percent of the total industry shipments are represented by plants specializing in product classes; 66 percent in flatware.

Industry 3914 shipments of silverware and plated ware (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $305 million shipped by all industries. In 1963, the coverage ratio was 98 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3914, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3911.—JEWELRY, PRECIOUS METAL														
1967 Census....	1,489	306	29.9	182.6	22.8	44.1	113.6	352.7	397.7	741.8	5.9	148.1	91	96
1966 ASM[1].....	(NA)	(NA)	29.3	161.3	22.2	44.3	94.9	327.9	375.9	693.8	5.2	135.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	28.4	144.8	21.6	45.0	87.8	314.1	319.3	620.5	3.9	124.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	24.1	134.3	17.5	36.0	83.6	240.0	272.8	508.6	3.5	104.9	(NA)	(NA)
1963 Census....	1,438	218	23.6	125.6	17.5	35.6	79.3	234.9	248.4	481.9	3.7	105.3	92	97
1962 ASM[1].....	(NA)	(NA)	21.7	112.9	16.1	34.6	72.5	203.9	211.0	411.4	1.8	80.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	21.4	106.5	15.8	33.4	67.8	189.6	198.0	386.5	2.4	82.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	20.8	102.6	15.5	32.5	65.5	189.0	182.3	362.7	2.4	78.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	20.6	99.1	15.5	32.1	64.1	174.6	173.5	348.3	*2.8	68.4	(NA)	(NA)
1958 Census[2]...	1,302	183	21.2	95.1	15.9	30.7	60.7	166.6	160.5	327.3	3.5	70.6	95	98
INDUSTRY 3912.-JEWELERS' FINDINGS AND MATERIALS														
1967 Census....	232	62	5.5	29.7	[3]4.0	8.6	18.9	57.8	72.0	128.6	1.9	19.9	90	94
1966 ASM[1].....	(NA)	(NA)	5.1	24.5	4.2	8.2	16.5	46.0	62.7	108.2	*0.9	15.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	4.8	22.4	3.9	8.2	14.9	38.2	52.7	89.4	*1.7	14.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.0	21.6	4.1	8.2	14.8	33.6	46.3	79.1	*1.0	12.7	(NA)	(NA)
1963 Census....	228	67	4.8	20.8	3.9	7.7	14.0	34.0	38.8	72.8	1.3	12.5	92	89
1962 ASM[1].....	(NA)	(NA)	4.9	21.5	3.9	7.7	13.9	38.8	37.6	74.8	*0.9	17.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	4.7	19.1	3.8	7.3	12.8	34.6	32.8	67.7	*0.9	15.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	4.5	18.5	3.6	7.0	12.3	37.7	31.7	65.8	*1.3	15.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	4.3	17.9	3.5	7.1	12.4	30.0	33.7	64.3	*1.2	16.3	(NA)	(NA)
1958 Census[2]...	248	55	4.2	16.4	3.5	6.8	11.5	26.8	29.9	57.5	0.6	13.0	90	87
INDUSTRY 3913.—LAPIDARY WORK														
1967 Census....	296	22	1.9	11.8	1.7	3.0	7.9	32.4	59.8	89.5	0.6	19.4	95	78
1966 ASM[1].....	(NA)	(NA)	1.5	9.1	1.2	1.8	5.7	22.8	53.5	74.6	0.3	15.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	1.5	8.8	1.2	1.9	5.8	20.9	55.7	76.3	0.3	15.3	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	*1.5	*8.7	*1.1	*2.2	*5.7	*16.3	*51.7	*73.7	*0.3	*11.8	(NA)	(NA)
1963 Census....	318	15	1.5	8.3	1.2	2.3	6.1	16.1	45.7	65.1	0.4	15.3	93	81
1962 ASM[1].....	(NA)	(NA)	1.9	8.3	1.7	2.9	5.8	16.5	28.4	44.9	*0.3	14.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	2.1	8.9	1.9	3.4	6.4	19.9	30.9	48.3	*0.5	14.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	1.7	8.0	1.5	2.8	5.6	14.7	25.1	40.0	(S)	11.1	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	1.9	8.3	1.6	3.0	5.8	17.7	30.1	45.7	(S)	11.4	(NA)	(NA)
1958 Census[2]...	326	18	1.9	8.1	1.6	3.0	6.2	14.6	24.9	40.4	0.3	9.5	99	87
INDUSTRY 3914.— SILVERWARE AND PLATED WARE														
1967 Census....	195	82	14.9	95.8	12.6	26.4	76.5	198.0	148.2	339.1	5.7	83.0	95	99
1966 ASM[1].....	(NA)	(NA)	15.1	93.4	12.8	27.2	74.3	189.6	144.4	325.1	*8.2	77.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	14.1	82.3	11.9	25.0	64.9	159.9	130.7	288.3	*6.3	65.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	14.3	78.9	11.9	24.3	61.5	137.0	121.4	261.1	*3.5	60.9	(NA)	(NA)
1963 Census....	209	87	13.2	70.9	10.9	22.1	54.8	130.7	108.9	238.9	2.7	60.6	95	98
1962 ASM[1].....	(NA)	(NA)	14.0	72.0	11.5	23.4	55.8	130.0	107.6	235.7	*2.4	54.8	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	14.1	68.0	11.6	23.1	52.0	130.2	102.7	232.9	2.2	52.2	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	14.4	68.3	11.8	23.3	51.4	123.9	100.1	221.7	(S)	52.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	14.4	68.5	11.8	23.9	52.7	121.3	99.0	217.3	(S)	51.7	(NA)	(NA)
1958 Census[2]...	209	87	13.9	62.3	11.2	21.9	47.6	109.7	85.2	196.1	2.5	47.7	95	98

Note: In 1967, 1963, and 1958, the number of companies in industry 3911 was 1,477, 1,428, and 1,300, respectively; in industry 3912: 232, 228, and 248; industry 3913: 296, 318, and 326; industry 3914: 186, 201, and 198. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. (*) These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]Production workers for this industry may be overstated by 3 to 5 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3911.--JEWELRY, PRECIOUS METAL								
1967 Census	6,104	76	1,934	2.58	.54	.78	11,791	52	6.71
1966 ASM	5,498	76	1,995	2.14	.54	.77	11,178	49	7.40
1965 ASM	5,099	76	2,086	1.95	.51	.75	11,049	46	6.97
1964 ASM	5,581	73	2,057	2.32	.54	.80	9,972	56	6.67
1963 Census	5,334	74	2,040	2.23	.52	.78	9,975	53	6.60
1962 ASM	5,193	74	2,151	2.10	.51	.79	9,381	55	5.89
1961 ASM	4,980	74	2,120	2.03	.51	.79	8,865	56	5.68
1960 ASM	4,938	74	2,101	2.02	.50	.79	9,095	54	5.82
1959 ASM	4,813	75	2,072	1.99	.50	.78	8,476	57	5.43
1958 Census	4,488	75	1,931	1.97	.49	.78	7,859	57	5.42
	INUDSTRY 3912.--JEWELERS' FINDINGS AND MATERIALS[1]								
1967 Census	5,374	82	1,891	2.20	.56	.79	10,471	.51	6.71
1966 ASM	4,793	83	1,941	2.02	.58	.81	9,013	53	5.62
1965 ASM	4,703	83	2,081	1.82	.59	.84	8,022	59	4.67
1964 ASM	4,338	83	1,991	1.81	.59	.86	6,759	64	4.11
1963 Census	4,326	81	1,958	1.82	.53	.82	7,051	61	4.42
1962 ASM	4,426	81	1,970	1.81	.50	.79	7.993	55	5.04
1961 ASM	4,104	81	1,928	1.76	.48	.77	7,424	55	4.75
1960 ASM	4,118	81	1,938	1.75	.48	.76	8,389	49	5.37
1959 ASM	4,194	83	2,026	1.74	.52	.80	7,036	60	4.20
1958 Census	3,875	83	1,938	1.69	.52	.81	6,337	61	3.95
	INDUSTRY 3913.--LAPIDARY WORK								
1967 Census	6,080	86	1,760	2.67	.67	.80	16,648	37	10.98
1966 ASM	6,011	78	1,562	3.11	.72	.84	15,068	40	12.43
1965 ASM	5,724	79	1,560	3.06	.73	.84	13,623	42	11.01
1964 ASM	5,900	77	1,935	2.58	.70	.82	11,058	53	7.40
1963 Census	5,400	81	1,828	2.69	.70	.83	10,507	51	7.12
1962 ASM	4,308	89	1,673	2.01	.63	.82	8,540	50	5.72
1961 ASM	4,209	89	1,786	1.92	.64	.82	9,394	45	5.93
1960 ASM	4,703	86	1,928	1.99	.63	.83	8,698	54	5.24
1959 ASM	4,449	86	1,851	1.96	.66	.84	9,511	47	5.98
1958 Census	4,234	86	1,832	2.06	.61	.81	7,671	55	4.89
	INDUSTRY 3914.--SILVERWARE AND PLATED WARE								
1967 Census	6,424	85	2,093	2.89	.44	.72	13,281	48	7.49
1966 ASM	6,171	84	2,131	2.73	.44	.73	12,552	49	6.97
1965 ASM	5,822	84	2,098	2.59	.45	.74	11,311	51	6.39
1964 ASM	5,515	83	2,047	2.53	.47	.77	9,570	58	5.64
1963 Census	5,353	82	2,033	2.47	.46	.76	9,868	54	5.90
1962 ASM	5,157	83	2,029	2.39	.46	.76	9,310	55	5.56
1961 ASM	4,821	82	1,984	2.25	.44	.73	9,236	52	5.64
1960 ASM	4,750	82	1,969	2.21	.45	.76	8,626	55	5.33
1959 ASM	4,759	82	2,019	2.21	.46	.77	8,426	56	5.08
1958 Census	4,499	81	1,946	2.18	.43	.75	7,921	57	5.02

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Production workers for this industry may be overstated by 3 to 5 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
3911-- JEWELRY, PRECIOUS METAL													
UNITED STATES	1 489	306	29.9	182.6	22.8	44.1	113.6	352.7	397.7	741.8	5.9	23.6	234.9
NORTHEAST REGION	1 120	246	23.5	146.3	18.1	34.6	89.0	284.3	344.1	619.2	4.9	18.7	181.3
NEW ENGLAND DIVISION	221	85	10.5	59.4	8.2	15.9	35.5	115.3	74.6	186.8	2.6	7.6	65.4
MASSACHUSETTS	56	25	4.7	30.6	3.3	6.6	16.0	48.9	30.3	76.1	1.6	3.9	32.1
RHODE ISLAND	155	60	5.7	28.5	4.9	9.1	19.3	65.9	44.0	109.9	1.0	3.6	33.1
MIDDLE ATLANTIC DIVISION	899	161	13.0	86.9	9.9	18.8	53.5	169.0	269.5	432.4	2.3	11.2	115.9
NEW YORK	778	131	10.2	68.3	7.6	14.2	41.4	139.0	237.7	370.0	2.0	8.3	92.3
NEW JERSEY	69	25	2.5	16.4	2.0	4.0	10.6	25.8	27.2	53.6	.3	2.5	20.5
PENNSYLVANIA	52	5	.4	2.1	.3	.5	1.5	4.2	4.6	8.8	(Z)	.4	3.1
NORTH CENTRAL REGION	130	34	3.7	21.9	2.5	5.1	14.0	36.9	28.8	67.0	.6	2.8	33.3
EAST NORTH CENTRAL DIVISION	107	25	2.7	17.2	1.8	3.8	10.6	32.3	24.1	55.4	(D)	1.9	23.2
OHIO	29	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	3.0
INDIANA	17	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
ILLINOIS	35	7	.8	4.6	.6	1.2	3.3	8.7	7.9	16.4	(D)	.5	5.6
MICHIGAN[e]	18	7	.5	3.2	.3	.6	1.6	6.7	6.4	12.8	(D)	.4	4.5
WEST NORTH CENTRAL DIVISION	23	9	1.0	4.8	.6	1.3	3.4	4.6	4.7	11.6	(D)	.9	10.1
MINNESOTA	11	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
MISSOURI	5	4	.2	1.4	.2	.3	.9	1.8	1.1	2.9	(D)	[3] (D)	[3] (D)
SOUTH REGION	65	8	.8	4.0	.6	1.2	3.0	8.1	4.8	13.0	.1	.6	5.0
SOUTH ATLANTIC DIVISION[e]	31	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	1.1
WEST SOUTH CENTRAL DIVISION	25	4	.5	2.5	.4	.8	1.8	5.8	2.8	8.6	(D)	.4	3.4
TEXAS	20	4	.5	2.4	.4	.7	1.7	5.6	2.5	8.2	.1	[3] (D)	[3] (D)
WEST REGION	174	18	2.0	10.4	1.6	3.1	7.6	23.3	19.9	42.6	.3	1.3	15.3
MOUNTAIN DIVISION	24	5	.7	2.7	.6	1.1	2.0	4.3	5.2	9.4	.1	.5	2.5
NEW MEXICO	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
UTAH	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
PACIFIC DIVISION	150	13	1.3	7.7	1.0	1.9	5.6	19.0	14.7	33.2	.2	.9	12.7
WASHINGTON	19	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
CALIFORNIA	114	7	.9	5.7	.8	1.4	4.1	15.8	11.8	27.2	(D)	.7	11.4
3912-- JEWELERS' FINDINGS AND MATERIALS[2]													
UNITED STATES	232	62	5.5	29.7	4.6	8.6	18.9	57.8	72.0	128.6	1.9	4.8	34.0
NORTHEAST REGION	221	62	5.5	29.6	4.5	8.6	18.9	57.3	71.7	127.8	1.9	4.8	33.7
NEW ENGLAND DIVISION	140	42	4.0	20.9	3.3	6.3	13.5	39.7	34.6	73.3	(D)	3.5	22.6
MASSACHUSETTS	14	6	.6	3.0	.5	.9	2.0	7.1	6.4	13.0	(D)	[3] (D)	[3] (D)
RHODE ISLAND	125	35	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.1	20.4
MIDDLE ATLANTIC DIVISION	81	20	1.5	8.7	1.2	2.3	5.3	17.6	37.1	54.5	.3	1.3	11.1
NEW YORK	64	11	.9	5.3	.7	1.4	3.2	12.2	28.5	40.4	.2	.7	5.7
NEW JERSEY	15	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
3913-- LAPIDARY WORK													
UNITED STATES	296	22	1.9	11.8	1.7	3.0	7.9	32.4	59.8	89.5	.6	1.5	16.1
NORTHEAST REGION	236	17	1.4	8.7	1.3	2.2	6.0	24.8	53.9	75.9	(D)	1.1	12.7
NEW ENGLAND DIVISION[e]	42	4	.3	1.4	.3	.5	1.1	2.9	1.3	4.2	(D)	.3	1.8
MASSACHUSETTS	9	2	.2	.7	.2	.3	.6	1.4	.6	2.0	(D)	[3] (D)	[3] (D)
RHODE ISLAND[e]	33	2	.2	.7	.2	.3	.5	1.5	.8	2.2	(D)	[3] (D)	[3] (D)
MIDDLE ATLANTIC DIVISION	194	13	1.1	7.2	1.0	1.6	4.9	21.9	52.6	71.7	(D)	.9	10.9
NEW YORK	181	12	1.0	6.7	.9	1.5	4.6	20.9	51.8	70.1	(D)	.8	9.8
NORTH CENTRAL REGION	26	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.9
EAST NORTH CENTRAL DIVISION	19	2	.2	1.7	.1	.3	.9	5.8	2.4	8.1	(D)	(D)	(D)
WEST NORTH CENTRAL DIVISION	7	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	(D)	(D)
NORTH DAKOTA	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
3914-- SILVERWARE AND PLATED WARE													
UNITED STATES	195	82	14.9	95.8	12.6	26.4	76.5	198.0	148.2	339.1	5.7	13.2	130.7
NORTHEAST REGION	139	64	13.2	86.7	11.4	23.9	70.3	179.7	137.1	309.4	5.3	11.6	115.8
NEW ENGLAND DIVISION	65	36	8.7	59.0	7.5	15.6	47.7	126.5	93.3	213.7	(D)	7.9	80.7
MASSACHUSETTS	33	18	3.2	20.1	2.5	5.4	13.8	44.2	28.3	72.2	(D)	[3] (D)	[3] (D)
RHODE ISLAND	12	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
CONNECTICUT	19	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.5	36.5

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3914-- SILVERWARE AND PLATED WARE													
MIDDLE ATLANTIC DIVISION	74	28	4.5	27.7	3.9	8.2	22.7	53.2	43.7	95.7	(D)	3.7	35.1
NEW YORK	46	18	3.8	23.9	3.3	7.1	19.7	46.7	37.0	82.3	(D)	3.1	29.3
NEW JERSEY	19	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	1.4
NORTH CENTRAL REGION[e]	20	7	.9	4.8	.7	1.4	3.3	9.6	7.5	17.4	(D)	.9	9.1
EAST NORTH CENTRAL DIVISION[e]	17	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS[e]	11	6	.7	3.9	.5	1.1	2.6	6.9	5.6	13.0	(D)	.7	6.4
SOUTH REGION	13	5	.5	2.5	.3	.7	1.6	5.7	1.9	7.5	(D)	.4	2.6
SOUTH ATLANTIC DIVISION	8	4	.4	2.2	.3	.6	1.5	5.3	1.7	6.9	.1	.3	2.1
MARYLAND	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3] (D)	[3] (D)
WEST REGION	23	6	.3	1.8	.2	.5	1.2	3.1	1.7	4.7	(D)	.4	3.2
PACIFIC DIVISION	19	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	16	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	2.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands rather than rounding in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]Production workers for this industry may be overstated by 3 to 5 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

[3]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Jewelry, precious metal (SIC 3911)	Jewelers' findings and materials (SIC 3912)	Lapidary work (SIC 2913)	Silverware and plated ware (SIC 3914)
PRIMARY PRODUCT SPECIALIZATION RATIO[1] . . . . PERCENT	.91	.90	.95	.95
COVERAGE RATIO[2] . . . . . .DO	.96	.94	.78	.99
ESTABLISHMENTS, TOTAL . . . . . NUMBER	1 489	232	296	195
WITH 1 TO 19 EMPLOYEES. . . . . .DO	1 183	170	274	113
WITH 20 TO 99 EMPLOYEES . . . . . .DO	261	52	18	51
WITH 100 EMPLOYEES OR MORE. . . . . .DO	45	10	4	31
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	29.9	5.5	1.9	14.9
PAYROLL FOR YEAR, ALL EMPLOYEES . . . MILLION DOLLARS	182.6	29.7	11.8	95.8
PRODUCTION WORKERS:				
AVERAGE FOR YEAR. 1,000	22.8	[3]4.6	1.7	12.6
MARCH . . . . . .DO	22.7	4.4	1.6	12.5
MAY . . . . . .DO	22.4	4.5	1.7	12.5
AUGUST. . . . . .DO	22.9	4.5	1.7	12.6
NOVEMBER. . . . . .DO	23.2	4.7	1.7	12.9
MAN-HOURS . . . . . .MILLIONS	44.1	8.6	3.0	26.4
JANUARY-MARCH . . . . . .DO	11.0	2.1	.7	6.5
APRIL-JUNE. . . . . .DO	10.8	2.2	.7	6.7
JULY-SEPTEMBER. . . . . .DO	10.5	2.1	.7	6.3
OCTOBER-DECEMBER. . . . . .DO	11.7	2.2	.8	7.0
WAGES . . . . . MILLION DOLLARS	113.6	18.9	7.9	76.5
COST OF MATERIALS, ETC., TOTAL. . . . . .DO	397.7	72.0	59.8	148.2
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED . .DO	331.9	66.2	47.5	133.1
COST OF RESALES . . . . . .DO	44.7	2.2	7.5	8.7
FUELS CONSUMED. . . . . .DO	.7	.1	.1	1.4
PURCHASED ELECTRIC ENERGY . . . . . .DO	1.6	.4	.2	1.9
CONTRACT WORK . . . . . .DO	18.7	3.1	4.4	3.3
VALUE OF SHIPMENTS, INCLUDING RESALES . . . . .DO	741.8	128.6	89.5	339.1
VALUE OF RESALES. . . . . .DO	56.2	2.8	9.2	11.3
VALUE ADDED BY MANUFACTURE. . . . . .DO	352.7	57.8	32.4	198.0
MANUFACTURERS' INVENTORIES:				
BEGINNING OF YEAR, TOTAL. . . . . .DO	135.4	18.4	16.3	74.8
FINISHED PRODUCTS . . . . . .DO	63.6	7.6	11.1	29.5
WORK IN PROCESS . . . . . .DO	32.6	5.5	3.7	27.1
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	39.2	5.3	1.5	18.1
END OF YEAR, TOTAL. . . . . .DO	148.1	19.9	19.4	83.0
FINISHED PRODUCTS . . . . . .DO	69.6	8.9	13.3	30.8
WORK IN PROCESS . . . . . .DO	35.2	5.4	4.2	32.9
MATERIALS, SUPPLIES, FUEL, ETC. . . . . .DO	43.3	5.6	1.9	19.2
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL . . .DO	6.2	2.1	.6	5.9
NEW PLANT AND EQUIPMENT, TOTAL. . . . . .DO	5.9	1.9	.6	5.7
NEW STRUCTURES AND ADDITIONS TO PLANT . . . .DO	1.8	.5	.1	.9
NEW MACHINERY AND EQUIPMENT . . . . . .DO	4.2	1.4	.5	4.8
USED PLANT AND EQUIPMENT. . . . . .DO	.3	.2	(Z)	.2

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: ~ Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]Production workers for this industry may be overstated by 3 to 5 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3911-- JEWELRY, PRECIOUS METAL											
ESTABLISHMENTS, TOTAL	1 489	29.9	182.6	22.8	44.1	113.6	352.7	397.7	741.8	5.9	148.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	692	1.2	6.5	1.2	1.8	4.9	18.4	20.3	38.7	.1	7.7
5 TO 9 EMPLOYEES[e]	255	1.7	11.0	1.4	2.5	7.6	23.2	24.6	47.4	.2	8.2
10 TO 19 EMPLOYEES	236	3.2	20.0	2.4	4.6	13.2	35.4	45.8	80.4	.4	12.5
20 TO 49 EMPLOYEES	190	5.9	36.4	4.6	9.0	23.9	66.2	85.8	150.7	1.0	24.4
50 TO 99 EMPLOYEES	71	4.8	28.3	3.8	7.3	17.7	52.2	58.9	110.0	.7	15.7
100 TO 249 EMPLOYEES	27	3.9	24.1	3.1	6.0	14.8	53.8	102.1	150.7	.4	43.9
250 TO 499 EMPLOYEES	12	3.6	20.6	2.7	5.7	12.9	37.3	29.1	65.9	2.2	15.5
500 TO 999 EMPLOYEES	5	5.5	35.7	3.7	7.2	18.7	66.1	31.0	98.1	.9	20.1
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	707	1.6	7.8	1.5	2.3	6.0	21.3	21.5	42.8	.1	9.0
3912-- JEWELERS' FINDINGS AND MATERIALS[2]											
ESTABLISHMENTS, TOTAL	232	5.5	29.7	4.6	8.6	18.9	57.8	72.0	128.6	1.9	19.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	100	.2	.8	.2	.3	.5	2.4	1.5	3.9	(Z)	.4
5 TO 9 EMPLOYEES[e]	30	.2	.9	.2	.3	.6	2.2	2.3	4.6	.1	.4
10 TO 19 EMPLOYEES	40	.6	2.9	.5	.9	1.9	4.7	5.8	10.4	.2	.7
20 TO 49 EMPLOYEES	34	1.1	6.3	.9	1.8	4.1	11.5	14.3	25.7	.3	2.3
50 TO 99 EMPLOYEES	18	1.2	6.2	1.0	2.0	3.9	12.7	12.6	25.2	.5	2.2
100 TO 249 EMPLOYEES	7	1.0	6.3	.8	1.4	3.6	11.9	23.7	35.3	.1	6.8
250 TO 499 EMPLOYEES	2	1.2	6.3	1.0	1.9	4.2	12.4	11.7	23.4	.6	7.1
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	110	.3	1.2	.3	.5	.8	3.3	2.2	5.5	.1	.6
3913-- LAPIDARY WORK											
ESTABLISHMENTS, TOTAL	296	1.9	11.8	1.7	3.0	7.9	32.4	59.8	89.5	.6	19.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	221	.3	2.1	.3	.6	1.6	6.9	12.1	19.1	.1	4.2
5 TO 9 EMPLOYEES	45	.3	1.8	.3	.4	1.3	6.8	13.0	19.6	(D)	3.3
10 TO 19 EMPLOYEES	8	.1	.7	.1	.2	.5	1.9	5.9	7.6	(D)	1.2
20 TO 49 EMPLOYEES	13	.4	2.4	.3	.5	1.4	6.6	12.8	17.4	.1	5.2
50 TO 99 EMPLOYEES	5	.3	1.9	.3	.5	1.2	3.7	10.0	13.7	.5	2.6
100 TO 249 EMPLOYEES	4	.5	2.9	.4	.8	1.9	6.5	5.9	12.2	(D)	2.8
250 TO 499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
500 TO 999 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
1,000 TO 2,499 EMPLOYEES	-	-	-	-	-	-	-	-	-	-	-
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	218	.4	1.9	.4	.7	1.4	6.4	4.0	10.4	-	3.9
3914-- SILVERWARE AND PLATED WARE											
ESTABLISHMENTS, TOTAL	195	14.9	95.8	12.6	26.4	76.5	198.0	148.2	339.1	5.7	83.0
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	61	.1	.5	.1	.2	.4	1.3	1.0	2.2	(Z)	.4
5 TO 9 EMPLOYEES[e]	29	.2	1.1	.2	.3	.9	2.1	2.0	4.1	(D)	.8
10 TO 19 EMPLOYEES	23	.3	2.0	.3	.5	1.5	3.7	2.8	6.4	.1	.8
20 TO 49 EMPLOYEES	39	1.2	6.4	1.0	1.9	4.5	11.6	11.8	23.8	.2	4.1
50 TO 99 EMPLOYEES	12	.9	4.9	.7	1.5	3.5	9.8	7.4	17.1	.2	3.2
100 TO 249 EMPLOYEES	18	3.0	16.8	2.4	4.9	12.2	36.8	22.1	59.1	.8	13.6
250 TO 499 EMPLOYEES	6	1.8	11.3	1.6	3.3	8.9	26.6	18.7	45.7	.8	10.5
500 TO 999 EMPLOYEES	5	7.4	52.7	6.4	13.7	44.6	106.2	82.5	180.7	3.6	49.5
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	-	-	-	-	-	-	-	-	-	-	-
ESTABS. COVERED BY ADMIN. RECORDS[1] [e]	68	.1	.7	.1	.2	.6	1.8	1.3	3.1	(Z)	.6

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.) - Represents zero.

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2]Production workers for this industry may be overstated by 3 to 5 percent. This resulted from an overestimation for adminstrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3911	Jewelry, precious metal.....1967..	741.8	609.1	62.9	69.8	91	633.2	609.1	24.1	96
	1963..	481.9	387.3	32.1	62.6	92	400.4	387.3	13.1	97
3912	Jewelers' findings and materials.....1967..	128.6	108.9	12.2	7.5	90	115.6	108.9	6.7	94
	1963..	72.8	62.6	5.8	4.5	92	70.5	62.6	7.9	89
3913	Lapidary work.....1967..	89.5	75.8	4.4	9.3	95	97.6	75.8	21.8	78
	1963..	65.1	55.2	4.2	5.7	93	67.7	55.2	12.6	81
3914	Silverware and plated ware.....1967..	339.1	302.8	15.4	20.9	95	305.4	302.8	2.6	99
	1963..	238.0	208.6	10.9	18.5	95	211.9	208.6	3.3	98

Note: See Appendix, Explanation of Terms, for discussion of items. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Jewelry, precious metal (SIC 3911)	Jewelers' findings and materials (SIC 3912)	Lapidary work (SIC 3913)	Silverware and plated ware (SIC 3914)	Other industries
	Total shipments and miscellaneous receipts	(X)	741.8	128.6	89.5	339.1	(X)
3911-	Jewelry, precious metal	633.2	609.1	(over 2)	(under 2)	(under 2)	(over 2)
39111	Jewelry made of platinum metals or carat gold	426.2	412.5	(D)	(D)	-	(D)
39112	Jewelry made of precious metals, except platinum metals and carat gold	125.8	118.8	(D)	-	(D)	(D)
39110	Jewelry precious metal, n.s.k.	81.2	77.8	(D)	(D)	-	(D)
3912-	Jewelers' findings and materials	115.6	3.2	108.9	-	-	3.5
3913-	Lapidary work	97.6	(D)	-	75.8	-	(D)
3914-	Silverware and plated ware	305.4	(D)	-	-	302.8	(D)
39141	Silverware, plated ware, and stainless steel ware	126.3	(D)	-	-	124.1	(D)
39142	Flatware	166.8	-	-	-	166.4	0.4
39140	Silverware and plated ware, n.s.k.	12.2	-	-	-	12.2	-
	Other product shipments by 4-digit product group						
2819-	Industrial inorganic chemicals, n.e.c.	(X)	-	-	(over 2)	-	(X)
2844-	Toilet preparations	(X)	(over 2)	-	-	-	(X)
3079-	Miscellaneous plastics products	(X)	-	-	-	(over 2)	(X)
3421-	Cutlery	(X)	-	-	-	(over 2)	(X)
3499-	Fabricated metal products, n.e.c.	(X)	(under 2)	-	-	(over 2)	(X)
3961-	Costume jewelry	(X)	23.5	0.6	-	1.6	(X)
	Other secondary products[1]	(X)	36.2	11.6	4.4	13.8	(X)
	Miscellaneous receipts	(X)	69.8	7.5	9.3	20.9	(X)
93000	Contract work	(X)	4.5	3.1	-	1.3	(X)
99989	Resales	(X)	56.2	2.8	9.2	11.3	(X)
99980	Scrap	(X)	6.0	1.3	0.1	6.9	(X)
99980	Other	(X)	3.1	.3		1.4	(X)
	Listing of the other industries with over $2 million shipments of the primary products						
3911-	3871 Watches and clocks	(X)	(X)	(X)	(X)	(X)	(2-5)
3911-	3961 Costume jewelry	(X)	(X)	(X)	(X)	(X)	8.7
3912-	3643 Current carrying wiring devices	(X)	(X)	(X)	(X)	(X)	(over 2)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or value range, e.g. (2-5), (under 2) etc., appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3911- --	JEWELRY, PRECIOUS METAL, TOTAL	633.2	400.4
39111 --	Jewelry made of platinum metals or carat gold, total	426.2	286.3
	Rings and ring mountings:		
	Rings (complete):		
39111 12	Wedding rings	99.4	37.5
39111 13	Other rings	139.5	102.9
39111 15	Ring mountings, for sale separately	24.2	20.9
39111 31	Women's and children's jewelry, such as necklaces, bracelets, brooches, pins, clips, earrings, lockets, etc. (excluding watch attachments and rings)	109.2	56.0
39111 41	Watch attachments (bracelets for watches)	14.3	10.3
39111 51	Organizational jewelry, including fraternal, college, and school jewelry and emblems, military insignias, (excluding rings)	9.0	14.8
39111 98	Other jewelry worn or carried about the person, such as men's jewelry (collar and cuff buttons, studs, watch chains, etc.); religious jewelry (rosaries, chaplets, crosses, etc.); cigar and cigarette cases and lighters, compacts, vanity cases, etc	22.6	24.0
39111 00	Jewelry made of platinum metals or carat gold, n.s.k	7.9	19.8
39112 --	Jewelry made of precious metals, except platinum metals, and carat gold, total	125.8	93.7
	Jewelry made of gold-filled, rolled goldplate, palladium-filled, rolled palladium plate, and sterling silver:		
39112 11	Rings and ring mountings	18.7	7.1
39112 21	Men's jewelry, such as collar and cuff buttons, studs, watch chains, money clips, identification bracelets, scarf pins, tie and collar holders, etc. (excluding watch attachments and rings)	10.6	6.9
39112 31	Women's and children's jewelry, such as necklaces, bracelets, brooches, pins, clips, earrings, lockets, etc. (excluding watch attachments and rings)	51.4	23.2
39112 41	Watch attachments (bracelets for watches)	25.5	27.6
39112 98	Other jewelry worn or carried about the person, such as fraternal, college, and school jewelry and emblems, (excluding rings) military insignia; religious jewelry (rosaries, chaplets, crosses, etc.); cigar and cigarette cases and lighters; compacts, vanity cases, etc	18.1	21.1
39112 00	Jewelry made of precious metals, except platinum metals, and carat gold, n.s.k	1.6	7.8
39110 00	Jewelry (precious metal), n.s.k. (For companies with 10 or more employees. See Note.)	38.4	20.4
39110 02	Jewelry (precious metal), n.s.k. (For companies with less than 10 employees. See Note.)	42.8	
3912- --	JEWELERS' FINDINGS AND MATERIALS, TOTAL	115.6	70.5
39120 13	Jewelers' findings, such as joints, pins, clasps, spring rings, ring blanks, and other unassembled parts	61.7	36.5
39120 31	Machine chain	17.7	13.2
39120 41	Gold-filled and rolled goldplate materials	9.9	14.6
39120 51	Stock shop products, such as flat stock, wire, and tubing	13.6	
39120 00	Jewelers' findings and materials, n.s.k. (For establishments with 10 or more employees. See Note.)	7.2	6.2
39120 02	Jewelers' findings and materials, n.s.k. (For establishments with fewer than 10 employees. See Note).	5.5	
3913- --	LAPIDARY WORK, TOTAL	97.6	67.7
	Stones cut or polished from materials owned by the manufacturing establishment, excluding the setting of stones in jewelry:		
39130 11	Diamonds for jewelry purposes	69.5	36.2
39130 15	Diamonds for industrial purposes	4.3	12.0
39130 31	Other natural precious and semiprecious stones and synthetic stones, including the drilling of pearls	5.7	4.7
39130 00	Lapidary work and cutting and polishing diamonds, n.s.k. (For companies with 10 or more employees. See Note.)	[1]7.7	14.7
39130 02	Lapidary work and cutting and polishing diamonds, n.s.k. (For companies with less than 10 employees. See Note.)	10.4	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 dozens)	Value (million dollars)	Quantity (1,000 dozens)	Value (million dollars)
3914- --	SILVERWARE AND PLATED WARE, TOTAL	(X)	305.4	(X)	211.9
39141 --	Silverware, plated ware, and stainless steelware	(X)	126.3	(X)	93.9
	Hollow ware (including toilet ware, ecclesiastical ware, novelties, trophies, baby goods, and other plated ware):				
39141 11	Sterling silver	(X)	29.9	(X)	20.7
39141 31	Electrosilver plated	(X)	61.1	(X)	37.6
39141 51	Stainless steel	(X)	9.2	(X)	4.3
39141 55	Aluminum	(X)	25.0	(X)	29.5
39141 65	Unplated hollow ware of other metals and hollow ware plated with metals other than silver, stainless steel, and aluminum	(X)		(X)	
39141 00	Silverware, plated ware, and stainless steelware, n.s.k.	(X)	1.1	(X)	1.8
39142 --	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal)	(X)	166.8	(X)	113.2
39142 11	Sterling silver	1,125	66.4	810	38.5
	Electrosilver plated:				
39142 34	Institutional	5,157	25.3	4,883	23.4
39142 36	Noninstitutional				
	Stainless steel:				
39142 54	Institutional	5,130	8.0	[2]4,892	[2]9.4
39142 56	Noninstitutional	22,839	65.2	[3]16,365	[3]40.4
39142 61	Unplated flatware of other metals and flatware plated with metals other than silver	(X)	1.9	(X)	1.1
39142 00	Flatware, n.s.k.	(X)	(Z)	(X)	0.4
39140 00	Silverware and plated ware, n.s.k. (Represents principally establishments with 10 employees or more in 1967. See Note)	(X)	9.2	(X)	4.8
39140 02	Silverware and plated ware, n.s.k. (Represents principally establishments with fewer than 10 employees in 1967. See Note)	(X)	3.1	(X)	

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand.

[1] Includes lapidary work done on materials owned by others for which type of stone was not reported.

[2] Identified as "hotel patterns" in the 1963 Census of Manufactures.

[3] Identified as "commercial patterns" in the 1963 Census of Manufactures.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
JEWELRY MADE OF PLATINUM METALS OR CARAT GOLD (39111)		
United States	426.2	286.3
Northeast Region	354.5	228.7
New England Div	73.8	39.6
Massachusetts	38.9	26.6
Rhode Island	FF	(1)
Middle Atlantic Div	280.7	189.1
New York	238.4	163.6
New Jersey	37.5	21.1
Pennsylvania	4.7	4.4
North Central Region	42.9	36.3
East North Central Div	35.2	27.3
Ohio	BB	(1)
Indiana	EE	(1)
Illinois	13.9	8.7
Michigan	4.2	3.8
West North Central Div	7.8	9.1
Minnesota	5.9	(1)
Missouri	1.3	(D)
South Region	5.6	4.0
South Atlantic Div	1.6	(D)
West South Central Div	3.9	(D)
Texas	3.7	(1)
West Region	23.1	17.2
Mountain Div	BB	(1)
Utah	BB	(1)
Pacific Div	EE	(D)
Oregon	AA	(D)
California	17.0	14.4
JEWELRY, PRECIOUS METAL, EXCEPT PLATINUM METALS AND CARAT GOLD (39112)		
United States	125.8	93.7
Northeast Region	116.0	87.3
New England Div	81.1	55.9
Massachusetts	25.6	18.3
Rhode Island	55.4	37.4
Middle Atlantic Div	34.9	31.4
New York	21.9	18.8
New Jersey	EE	11.8
Pennsylvania	AA	(D)
North Central Region	3.1	(D)
East North Central Div	2.2	(D)
Illinois	1.2	(D)
JEWELRY, PRECIOUS METAL, EXCEPT PLATINUM METALS AND CARAT GOLD (39112)--Continued		
West Region	6.2	(D)
Mountain Div	3.3	2.0
New Mexico	BB	(D)
Pacific Div	2.9	1.5
California	2.7	1.2
SILVERWARE, PLATED WARE, AND STAINLESS STEEL WARE (39141)		
United States	126.3	93.9
Northeast Region	113.1	80.1
New England Div	75.5	52.7
Massachusetts	37.0	24.2
Rhode Island	CC	(1)
Connecticut	FF	(1)
Middle Atlantic Div	37.6	27.4
New York	29.3	19.9
New Jersey	6.2	5.2
Pennsylvania	2.1	2.2
North Central Region	10.3	9.3
East North Central Div	CC	(D)
Illinois	9.8	6.7
South Region	2.4	1.9
South Atlantic Div	BB	(D)
Maryland	AA	(D)
FLATWARE (39142)		
United States	166.8	113.2
Northeast Region	157.9	(D)
New England Div	GG	78.6
Massachusetts	29.2	(1)
Rhode Island	FF	(1)
Connecticut	GG	45.8
Middle Atlantic Div	FF	30.1
New York	FF	(1)
New Jersey	1.8	(D)
North Central Region	BB	(D)
East North Central Div	BB	(D)
Ohio	AA	(D)
South Region	BB	(D)
South Atlantic Div	4.5	2.5
Maryland	BB	(1)
Virginia	AA	(D)
West Region	1.9	(D)
Pacific Div	1.9	1.7
Oregon	AA	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3911-	Jewelry, precious metal	633.2	579.8	537.5	424.2	400.4	287.2	238.5	231.5
39111	Jewelry made of platinum metals or carat gold	426.2	419.4	393.9	314.0	286.3	195.2	155.5	133.3
39112	Jewelry, made of precious metal, except platinum and carat gold	125.8	149.1	131.5	86.6	93.7	74.3	72.6	81.5
39110	Jewelry, precious metal, n.s.k.	80.8	(11.3)	(12.1)	23.7	20.4	17.6	10.4	16.7
39120	Jewelers' findings and materials	115.6	99.9	85.2	76.0	70.5	56.8	68.1	71.3
39130	Lapidary work	97.6	78.8	73.2	66.5	67.7	43.3	35.6	30.1
3914-	Silverware and plated ware	305.4	282.2	254.0	236.3	211.9	178.8	188.1	220.4
39141	Silverware, plated ware, and stainless steel ware	126.3	115.2	100.8	94.2	93.9	74.3		
39142	Flatware	166.8	162.3	148.0	136.9	113.2	97.1	188.1	220.4
39140	Silverware and plated ware, n.s.k.	12.2	4.7	5.3	5.3	4.8	7.4		

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3914.—SILVERWARE AND PLATED WARE					
	Materials, components, parts, containers, and supplies, total		(X)	133.1	(X)	97.4
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons	27.5	25.4	1.4	0.3
331020	Alloy steel	...do			20.6	17.5
331031	Stainless steel	...do				
335208	Aluminum and aluminum base alloy	Million lbs	(D)	(D)	(D)	(D)
335121	Copper and copper base alloy	...do	(D)	(D)	20.5	13.4
	Castings (rough and semifinished):					
336100	Aluminum and aluminum base alloy[1]	...do	(D)	(D)	(D)	(D)
336200	Copper and copper base alloy[1]	...do	0.5	0.5	0.6	0.4
333903	Precious metals, all forms, including ingot sheet, trip, solder, plating, electrodes, etc		(X)	41.6	(X)	24.5
970099	All other materials and components, parts, containers, and supplies consumed		(X)	57.2	(X)	34.4
976000	Materials, parts, containers, and supplies, n.s.k.[2]		(X)	8.4	(X)	6.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands rather than rounding in computer operations.

No materials consumed data were collected for industries 3911, 3912, or 3913.

Standard notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (X) Not applicable. (NA) Not available. (Z) Under $50 thousand.

[1]No data are available for the quantities of castings produced and consumed in the same establishment.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this included estimates for companies that were not mailed report forms.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization–the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization–the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3911	JEWELRY, PRECIOUS METAL										
	ENTIRE INDUSTRY	1 489	29.9	182.6	22.8	44.1	113.6	352.7	397.7	741.8	5.9
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 439	26.4	162.5	20.0	38.8	101.6	290.2	305.0	591.1	5.2
39111	JEWELRY MADE OF PLATINUM METALS OR CARAT GOLD (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	508	18.6	121.8	13.3	26.5	72.1	223.8	294.1	509.4	4.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	465	16.4	107.6	11.8	23.4	64.3	188.1	201.4	385.5	3.7
39112	JEWELRY, PRECIOUS METAL, EXC. FLAT AND CARAT GOLD (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	117	7.0	36.5	5.7	10.9	24.1	80.3	55.8	136.7	1.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	82	3.7	20.2	3.0	5.8	13.3	31.5	11.4	63.7	.3
3914	SILVERWARE AND PLATED WARE										
	ENTIRE INDUSTRY	195	14.9	95.8	12.6	26.4	76.5	198.0	148.2	339.1	5.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	187	14.2	91.6	12.0	25.1	73.0	187.2	142.0	322.3	5.5
39141	SILVERWARE, PLATED WARE, AND STAINLESS STEEL WARE (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	64	5.0	29.7	4.2	9.1	23.4	59.2	42.4	102.1	2.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	58	4.6	27.5	3.9	8.3	21.5	52.7	38.6	92.0	1.9
39142	FLATWARE (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	29	9.2	62.2	7.7	16.2	49.9	132.1	100.4	224.9	3.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	18	5.6	37.8	5.0	10.4	32.4	72.3	61.5	130.5	2.7

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

MUSICAL INSTRUMENTS AND PARTS; TOYS AND SPORTING GOODS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3931--Musical Instruments and Parts
3941--Games and Toys, Except Dolls and Children's Vehicles
3942--Dolls
3943--Children's Vehicles, Except Bicycles
3949--Sporting and Athletic Goods, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3931--MUSICAL INSTRUMENTS AND PARTS

This industry comprises establishments primarily engaged in manufacturing pianos, with or without player attachments; organs; other musical instruments; and parts and materials for musical instruments. For a detailed list of products of industry 3931, refer to table 6A, product codes 3931111 to 3931498.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Musical Instruments and Parts Industry in 1967 totaled $434 million. This included shipments of musical instruments and parts (primary products), valued at $392 million, shipments of other products (secondary products) valued at $13 million, and miscellaneous receipts (mainly resales) of $29 million.

This industry's shipments of musical instruments and parts (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 97 percent. Secondary products shipped by this industry in 1967 consisted mainly of radio and TV receiving sets ($11 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 33 percent of the total industry shipments are represented by plants specializing in product class 39312, organs.

Industry 3931 shipments of musical instruments and parts (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $401 million shipped by all industries. In 1963, the coverage ratio was 92 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3931, these establishments accounted for 1 percent of payroll and of 1 percent of value added by manufacture.

3941--GAMES AND TOYS, EXCEPT DOLLS AND CHILDREN'S VEHICLES

This industry comprises establishments primarily engaged in manufacturing indoor games and game sets for adults and children, and mechanical and nonmechanical toys. Important products of this industry include games such as chess, checkers, dominoes, puzzles, and other indoor games; and toys, such as toy furniture, doll carriages and carts, construction sets, mechanical trains, toy guns and air rifles, and other mechanical games and toys. Establishments primarily engaged in manufacturing dolls are classified in industry 3942; children's outdoor wheel goods and vehicles, except bicycles, in industry 3943; and sporting and athletic goods for children and adults in industry 3949. For a detailed list of products of industry 3941, refer to table 6A, product codes 3941011 to 3941096.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Games and Toys Industry in 1967 totaled $1,113 million. This included shipments of games and toys (primary products), valued at $908 million, shipments of other products (secondary products) valued at $127 million, and miscellaneous receipts (mainly resales) of $78 million.

This industry's shipments of games and toys (primary products) in 1967 represented 88 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 92 percent. Secondary products shipped by this industry in 1967 included dolls ($62 million).

Industry 3941 shipments of games and toys (primary products) in 1967 represented 96 percent (coverage ratio) of these products valued at $949 million shipped by all industries. In 1963, the coverage ratio was 91 percent. Other industries shipping games and toys (primary products) included industry 3079, Miscellaneous Plastics Products, $14 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3941, these establishments accounted for 1 percent of payroll and of 1 percent of value added by manufacture.

3942--DOLLS

This industry comprises establishments primarily engaged in manufacturing dolls, doll parts, and doll clothing. Establishments primarily engaged in manufacturing stuffed toy animals are also included in this industry. For a detailed list of products of industry 3942, refer to table 6A, product codes 3942006 to 3942055.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Dolls Industry in 1967 totaled $163 million. This included shipments of dolls (primary products), valued at $153 million, shipments of other products (secondary products)valued at less than $1 million,and miscellaneous receipts (mainly resales) of $10 million.

This industry's shipments of dolls (primary products) in 1967 represented 99+ percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 80-85 percent.

Industry 3942 shipments of dolls (primary products) in 1967 represented 70 percent (coverage ratio) of these products valued at $217 million shipped by all industries. In 1963, the coverage ratio was 87 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3942, these establishments accounted for 3 percent of payroll and of 4 percent of value added by manufacture.

3943--CHILDREN'S VEHICLES, EXCEPT BICYCLES

This industry comprises establishments primarily engaged in manufacturing baby carriages, strollers, and gocarts; children's velocipedes and tricycles, coaster wagons, play cars, sleds, and other children's outdoor wheel goods,and vehicles, except bicycles (industry 3751). For a detailed list of products of industry 3943, refer to table 6A, product codes 3943011 to 3943098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Children's Vehicles, Except Bicycles, Industry in 1967 totaled $79 million. This included shipments of children's vehicles, except bicycles (primary products), valued at $61 million, shipments of other products (secondary products) valued at $14 million, and miscellaneous receipts (mainly resales) of $4 million.

This industry's shipments of children's vehicles, except bicycles (primary products) in 1967 represented 81 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 71 percent. Secondary products shipped by this industry in 1967 included metal household furniture ($6 million).

Industry 3943 shipments of children's vehicles, except bicycles (primary products) in 1967 represented 61 percent (coverage ratio) of these products valued at $100 million shipped by all industries. In 1963, the coverage ratio was 65 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3943, these establishments accounted for 1 percent of payroll and of 1 percent of value added by manufacture.

3949--SPORTING AND ATHLETIC GOODS, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods, not elsewhere classified, such as fishing tackle; golf and tennis goods; baseball, football, basketball, and boxing equipment; roller skates and ice skates; gymnasium and playground equipment; billiard and pool tables; and bowling alleys and equipment. Establishments primarily engaged in manufacturing athletic apparel are classified in Major Group 23, small arms ammunition in industry 1961, and firearms in industry 1951. For a detailed list of products of industry 3949, refer to table 6A, product codes 3949114 to 3949398.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Sporting and Athletic Goods, N.E.C., Industry in 1967 totaled $853 million. This included shipments of sporting and athletic goods, n.e.c. (primary products), valued at $759 million, shipments of other products (secondary products) valued at $43 million, and miscellaneous receipts (mainly resales) of $52 million.

This industry's shipments of sporting and athletic goods, n.e.c. (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 93 percent. Secondary products shipped by this industry in 1967 included shoes, except rubber ($4 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 89 percent of the total industry shipments are represented by plants specializing in product classes; 57 percent in 39493; and 17 percent in 39492.

Industry 3949 shipments of sporting and athletic goods, n.e.c. (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $836 million shipped by all industries. In 1963, the coverage ratio was also 91 percent. Other industries shipping sporting and athletic goods, n.e.c. (primary products) included industry 3069, Fabricated Rubber Products, N.E.C., $22 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3949, these establishments accounted for 3 percent of payroll and of 3 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3931.--MUSICAL INSTRUMENTS AND PARTS														
1967 Census....	343	121	24.9	143.7	20.8	39.9	106.0	237.8	202.4	434.3	10.6	123.6	97	98
1966 ASM[1].....	(NA)	(NA)	25.1	139.8	20.5	41.9	103.5	248.2	204.4	437.3	*7.2	108.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	23.6	124.6	19.5	39.3	93.3	229.5	178.6	403.9	10.6	80.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	21.7	115.0	17.7	37.2	85.7	189.7	163.7	352.3	6.3	68.7	(NA)	(NA)
1963 Census....	320	126	20.1	103.0	16.7	33.6	76.5	179.0	143.1	314.4	5.8	63.7	97	92
1962 ASM[1].....	(NA)	(NA)	20.8	101.0	17.1	33.7	74.5	144.9	153.5	293.1	3.9	69.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	19.4	91.4	15.7	30.6	66.2	133.1	144.8	277.0	3.7	63.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	20.2	93.7	16.5	32.1	69.9	132.8	145.9	274.6	*4.2	60.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	18.6	88.2	15.4	30.5	66.5	154.9	150.8	297.0	*4.9	54.0	(NA)	(NA)
1958 Census[2]...	273	116	16.1	74.6	13.1	25.6	55.8	120.9	114.3	236.7	4.6	45.6	98	91
INDUSTRY 3941.--GAMES AND TOYS														
1967 Census....	684	330	55.1	264.9	46.1	86.6	178.1	614.3	490.6	1,113.5	33.7	159.4	88	96
1966 ASM[1].....	(NA)	(NA)	62.3	278.9	52.4	101.5	185.2	621.6	542.7	1,157.2	28.4	187.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	62.1	271.3	52.6	100.7	180.9	575.6	530.1	1,087.4	32.6	170.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	55.1	235.1	46.2	89.6	160.0	509.5	434.1	937.4	28.5	144.3	(NA)	(NA)
1963 Census....	797	351	51.8	206.7	44.0	84.4	145.2	444.1	362.2	796.6	27.7	135.3	92	91
1962 ASM[1].....	(NA)	(NA)	48.0	185.6	39.3	77.7	129.3	406.1	325.6	715.0	18.1	108.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	50.4	183.3	41.4	78.2	126.0	411.3	336.1	736.5	14.9	95.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	45.7	164.0	37.6	72.4	113.2	342.5	302.0	635.3	14.7	87.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	45.4	159.2	37.0	69.8	110.8	308.4	284.3	595.3	*18.0	77.6	(NA)	(NA)
1958 Census[2]...	854	367	43.0	149.7	36.0	68.0	106.6	288.9	258.2	544.1	16.5	79.6	93	92
INDUSTRY 3942.--DOLLS														
1967 Census....	340	138	11.9	46.4	10.7	18.4	34.3	82.8	80.0	162.8	2.4	16.4	99+	70
1966 ASM[1].....	(NA)	(NA)	11.6	41.2	10.5	18.5	32.0	74.7	75.4	150.2	1.6	14.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	12.8	45.4	11.5	19.9	34.4	83.7	78.7	161.6	2.8	16.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	13.4	47.3	12.3	21.4	36.5	93.3	80.6	173.0	*1.9	17.3	(NA)	(NA)
1963 Census....	410	160	16.2	59.0	13.9	24.4	41.8	138.1	114.4	247.9	6.3	27.2	80-85	87
1962 ASM[1].....	(NA)	(NA)	18.3	62.3	16.9	28.5	46.7	148.9	130.8	273.6	9.5	34.9	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	16.2	51.1	15.5	24.5	36.9	97.3	98.1	194.7	2.2	18.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	14.7	47.1	12.9	23.2	34.6	85.8	94.3	178.3	*2.1	14.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	14.2	43.8	12.5	22.7	33.2	82.1	85.6	168.2	*2.9	12.0	(NA)	(NA)
1958 Census[2]...	485	162	13.9	44.0	12.2	22.7	33.9	77.1	85.1	161.9	5.5	12.7	98	94
INDUSTRY 3943.--CHILDREN'S VEHICLES, EXCEPT BICYCLES														
1967 Census....	45	23	3.7	19.4	3.1	6.4	13.9	38.7	40.9	78.7	3.5	13.9	81	61
1966 ASM[1].....	(NA)	(NA)	5.0	24.1	4.2	8.7	17.0	47.8	49.7	95.8	4.8	14.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	5.6	24.8	4.7	9.3	18.3	44.5	57.1	101.2	2.3	14.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	3.9	18.0	3.2	6.4	12.6	32.8	36.1	69.6	*3.5	10.2	(NA)	(NA)
1963 Census....	64	31	4.5	19.4	3.8	7.6	14.3	35.3	41.6	77.5	1.9	11.7	71	65
1962 ASM[1].....	(NA)	(NA)	4.4	19.2	3.7	8.2	14.6	31.8	43.8	75.5	1.3	12.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	4.3	19.9	3.7	8.1	15.4	31.2	36.7	67.4	2.5	11.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	4.8	21.4	4.1	8.5	16.7	34.0	41.5	75.2	1.2	11.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	5.0	22.0	4.3	8.3	17.2	34.0	45.5	78.7	*1.8	12.6	(NA)	(NA)
1958 Census[2]...	58	33	4.7	19.6	3.9	7.7	14.9	31.7	38.5	70.4	0.8	10.4	84	78
INDUSTRY 3949.--SPORTING AND ATHLETIC GOODS, N.E.C.														
1967 Census....	1,366	383	45.2	228.3	37.2	72.0	160.0	469.5	406.5	853.3	22.5	218.1	95	91
1966 ASM[1].....	(NA)	(NA)	39.4	202.5	31.5	61.8	142.8	423.8	402.8	805.1	*22.4	196.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	41.2	193.3	32.4	63.3	136.2	387.7	393.4	816.7	17.4	187.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	39.9	182.9	31.8	63.3	127.7	380.4	344.0	725.6	*17.6	170.0	(NA)	(NA)
1963 Census....	1,419	345	40.5	175.8	32.5	62.7	123.3	361.0	346.0	704.7	15.3	175.1	93	91
1962 ASM[1].....	(NA)	(NA)	36.7	165.0	29.4	56.9	107.1	358.6	345.7	697.8	18.7	177.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	38.7	162.1	31.1	58.5	107.8	369.7	378.7	773.5	15.1	154.7	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	39.9	168.0	31.9	60.6	110.3	383.9	368.4	726.5	*12.8	179.3	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	38.0	161.0	31.3	61.6	110.4	332.2	329.7	649.5	*17.5	146.8	(NA)	(NA)
1958 Census[2]...	1,210	302	37.2	148.5	29.7	57.4	104.3	314.1	269.5	577.8	15.1	127.6	88	91

Note: In 1967, 1963, and 1958, the number of companies in industry 3931 was 304, 288, and 252, respectively; in industry 3941: 653, 767, and 832; industry 3942: 331, 404, and 482: industry 3943: 41, 60, and 56; industry 3949: 1,304, 1,361, and 1,169. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3931.--MUSICAL INSTRUMENTS AND PARTS								
1967 Census	5,780	84	1,920	2.66	.47	.80	9,565	60	5.96
1966 ASM	5,578	82	2,048	2.47	.47	.79	9,905	56	5.92
1965 ASM	5,272	83	2,013	2.37	.44	.75	9,709	54	5.84
1964 ASM	5,297	82	2,096	2.30	.46	.79	8,742	61	5.10
1963 Census	5,127	83	2,016	2.28	.46	.78	8,909	58	5.33
1962 ASM	4,849	82	1,974	2.21	.52	.87	6,957	70	4.30
1961 ASM	4,709	81	1,948	2.17	.52	.85	6,862	69	4.35
1960 ASM	4,638	82	1,946	2.18	.53	.87	6,572	71	4.14
1959 ASM	4,737	83	1,986	2.18	.51	.80	8,315	57	5.07
1958 Census	4,636	81	1,953	2.18	.48	.80	7,510	62	4.73
	INDUSTRY 3941.--GAMES AND TOYS								
1967 Census	4,808	84	1,881	2.06	.44	.68	11,146	43	7.09
1966 ASM	4,478	84	1,938	1.82	.47	.71	9,980	45	6.12
1965 ASM	4,366	85	1,915	1.80	.49	.74	9,263	47	5.72
1964 ASM	4,268	84	1,936	1.79	.46	.71	9,250	46	5.69
1963 Census	3,989	85	1,917	1.72	.45	.71	8,568	47	5.26
1962 ASM	3,871	82	1,978	1.66	.46	.72	8,468	46	5.23
1961 ASM	3,637	82	1,889	1.61	.46	.71	8,162	45	5.26
1960 ASM	3,589	82	1,927	1.56	.48	.73	7,496	48	4.73
1959 ASM	3,509	82	1,883	1.59	.48	.74	6,799	52	4.42
1958 Census	3,484	84	1,889	1.57	.47	.75	6,722	52	4.25
	INDUSTRY 3942.--DOLLS								
1967 Census	3,910	90	1,723	1.87	.49	.78	6,986	56	4.50
1966 ASM	3,546	90	1,765	1.73	.50	.78	6,427	55	4.04
1965 ASM	3,554	90	1,736	1.73	.49	.77	6,554	54	4.20
1964 ASM	3,534	92	1,736	1.71	.47	.74	6,976	51	4.37
1963 Census	3,638	86	1,748	1.71	.46	.70	8,518	43	5.67
1962 ASM	3,399	92	1,685	1.64	.48	.71	8,119	42	5.22
1961 ASM	3,150	96	1,578	1.51	.50	.77	5,995	53	3.97
1960 ASM	3,202	88	1,793	1.49	.53	.79	5,833	55	3.70
1959 ASM	3,080	88	1,817	1.46	.51	.77	5,773	53	3.62
1958 Census	3,173	88	1,862	1.49	.53	.80	5,566	57	3.40
	INDUSTRY 3943.--CHILDREN'S VEHICLES, EXCEPT BICYCLES								
1967 Census	5,302	85	2,077	2.15	.52	.77	10,569	50	6.01
1966 ASM	4,812	84	2,060	1.96	.52	.77	9,530	50	5.51
1965 ASM	4,453	84	1,977	1.97	.56	.81	7,978	56	4.79
1964 ASM	4,659	83	2,024	1.96	.52	.78	8,501	55	5.09
1963 Census	4,279	84	2,001	1.88	.54	.79	7,773	55	4.65
1962 ASM	4,387	85	2,212	1.77	.58	.83	7,256	60	3.87
1961 ASM	4,603	85	2,212	1.90	.55	.84	7,232	64	3.85
1960 ASM	4,425	85	2,072	1.95	.55	.84	7,009	63	3.98
1959 ASM	4,385	85	1,952	2.06	.58	.86	6,776	65	4.08
1958 Census	4,168	84	1,954	1.94	.55	.82	6,739	62	4.11
	INDUSTRY 3949.--SPORTING AND ATHLETIC GOODS, N.E.C.								
1967 Census	5,045	82	1,933	2.22	.48	.74	10,376	49	6.52
1966 ASM	5,144	80	1,963	2.31	.50	.75	10,756	48	6.82
1965 ASM	4,688	79	1,952	2.15	.48	.72	9,404	50	6.13
1964 ASM	4,585	80	1,989	2.02	.47	.73	9,533	48	6.01
1963 Census	4,336	80	1,928	1.97	.49	.74	8,904	49	5.76
1962 ASM	4,494	80	1,933	1.88	.50	.73	9,764	46	6.30
1961 ASM	4,188	80	1,881	1.84	.49	.70	9,550	44	6.32
1960 ASM	4,206	80	1,901	1.82	.51	.74	9,612	44	6.33
1959 ASM	4,233	82	1,969	1.79	.51	.76	8,732	48	5.39
1958 Census	3,995	80	1,929	1.82	.47	.72	8,451	47	5.47

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3931-- MUSICAL INSTRUMENTS AND PARTS													
UNITED STATES	343	121	24.9	143.7	20.8	39.9	106.0	237.8	202.4	434.3	10.6	20.1	179.0
NORTHEAST REGION	115	33	4.2	25.1	3.4	6.8	17.6	39.6	25.8	63.5	.7	4.2	33.9
NEW ENGLAND DIVISION	32	8	.7	4.9	.6	1.1	3.0	7.5	4.3	11.6	.2	.8	7.3
MASSACHUSETTS	21	5	.3	2.0	.3	.6	1.5	4.0	1.7	5.7	(Z)	.3	3.0
CONNECTICUT	5	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	83	25	3.4	20.1	2.9	5.7	14.6	32.1	21.6	51.8	.5	3.4	26.6
NEW YORK	49	15	2.1	13.2	1.7	3.3	9.0	19.3	14.2	32.4	.3	2.2	17.7
NEW JERSEY	18	3	.4	1.9	.3	.6	1.5	4.5	2.1	6.4	.1	.3	2.3
PENNSYLVANIA	16	7	1.0	5.1	.9	1.8	4.1	8.2	5.3	13.1	.1	.8	6.6
NORTH CENTRAL REGION	125	58	12.9	82.5	10.6	20.3	60.7	140.3	110.1	246.1	5.2	10.5	108.6
EAST NORTH CENTRAL DIVISION	111	56	12.7	81.2	10.4	19.9	59.7	137.4	108.5	241.7	(D)	10.3	107.6
OHIO[e]	17	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1	7.4
INDIANA	30	15	3.0	22.2	2.4	4.8	16.6	45.1	31.2	74.9	(D)	2.2	22.3
ILLINOIS	40	23	6.2	37.4	5.0	9.3	25.8	62.5	53.9	114.8	(D)	5.0	56.5
MICHIGAN	13	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.5	14.2
WISCONSIN	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	7.2
WEST NORTH CENTRAL DIVISION	14	2	.2	1.3	.2	.4	1.0	2.9	1.6	4.4	(D)	.1	1.0
KANSAS	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	46	18	5.4	22.6	4.7	9.0	17.6	37.0	45.1	83.1	1.4	4.2	27.2
SOUTH ATLANTIC DIVISION	25	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MARYLAND	8	3	.6	3.4	.5	.9	2.7	4.6	2.0	6.1	(D)	[2](D)	[2](D)
NORTH CAROLINA	7	4	.5	2.1	.4	.8	1.4	3.2	5.1	8.2	(D)	[2](D)	[2](D)
SOUTH CAROLINA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	13	6	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	8	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ARKANSAS	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	57	12	2.4	13.6	2.0	3.8	10.0	20.9	21.4	41.7	3.3	1.2	9.2
MOUNTAIN DIVISION	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	.3
ARIZONA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	48	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	9.0
WASHINGTON	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CALIFORNIA	38	7	1.9	11.1	1.6	3.1	8.2	15.8	18.9	34.1	(D)	1.0	6.9
3941-- GAMES AND TOYS													
UNITED STATES	684	330	55.1	264.9	46.1	86.6	178.1	614.3	490.6	1 113.5	33.7	51.8	444.1
NORTHEAST REGION	343	166	26.8	125.8	22.5	42.1	82.2	291.2	218.9	519.9	16.0	32.4	274.3
NEW ENGLAND DIVISION	80	40	6.9	33.1	5.9	10.6	22.6	87.4	52.8	139.7	6.6	6.4	65.1
NEW HAMPSHIRE	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.2
MASSACHUSETTS	40	25	3.8	20.0	3.2	6.1	12.8	55.0	32.8	86.5	5.5	[2].5	[3]5.2
RHODE ISLAND	9	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)
CONNECTICUT[e]	18	4	.6	2.4	.5	1.0	1.6	6.9	4.7	11.2	.4	1.4	11.5
MIDDLE ATLANTIC DIVISION	263	126	19.9	92.7	16.6	31.5	59.6	203.9	166.1	380.2	9.4	26.0	209.2
NEW YORK	166	72	9.7	46.9	7.9	15.1	28.2	115.2	93.2	207.4	5.5	12.4	110.4
NEW JERSEY	61	33	7.2	32.3	6.1	11.5	21.5	67.2	52.1	129.0	3.4	8.0	62.0
PENNSYLVANIA	36	21	3.0	13.5	2.6	4.9	9.9	21.5	20.8	43.8	.5	5.5	36.7
NORTH CENTRAL REGION	179	102	14.6	69.5	13.0	23.4	50.2	158.8	135.3	294.0	12.2	11.8	110.0
EAST NORTH CENTRAL DIVISION	144	87	11.5	55.5	9.8	18.8	39.9	122.8	106.7	230.3	8.3	10.2	93.6
OHIO	28	16	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
INDIANA	15	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	65	43	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2]4.1	37.2
MICHIGAN	23	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)
WISCONSIN[e]	13	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	35	15	3.1	14.1	2.7	4.6	10.3	40.0	28.6	63.8	3.8	1.7	16.4
MINNESOTA	12	6	2.1	10.2	1.9	3.0	7.2	24.9	21.0	45.5	2.8	1.0	10.2
IOWA	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	14	6	.5	2.0	.5	.8	1.6	4.7	4.0	8.5	.2	.5	3.8
SOUTH REGION	56	29	4.6	18.7	4.1	8.1	15.4	38.6	36.6	74.6	2.1	4.3	30.3
SOUTH ATLANTIC DIVISION	24	11	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.4	8.8
MARYLAND	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	4	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	12	9	1.1	3.6	.9	1.8	3.0	7.0	7.2	14.1	.2	.9	6.6
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	7	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	4.4
ALABAMA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	20	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	14.9
ARKANSAS	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	14	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3941-- GAMES AND TOYS--CON.													
WEST REGION	106	33	9.0	51.0	6.9	13.1	30.2	125.7	99.8	224.9	3.4	3.3	29.6
MOUNTAIN DIVISION	16	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
COLORADO	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW MEXICO	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	90	30	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OREGON	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.7
CALIFORNIA	84	28	8.4	48.7	6.4	12.2	28.6	121.4	97.0	217.6	(D)	3.0	27.4
3942-- DOLLS													
UNITED STATES	340	138	11.9	46.4	10.7	18.4	34.3	82.8	80.0	162.8	2.4	16.2	138.1
NORTHEAST REGION	274	115	9.5	37.3	8.6	14.8	28.0	67.0	67.8	135.1	1.9	10.8	70.7
NEW ENGLAND DIVISION	27	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	5.7
NEW HAMPSHIRE	9	3	.2	.6	.2	.3	.5	1.0	.4	1.4	(D)	[2](D)	[2](D)
MASSACHUSETTS	12	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	247	100	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9.6	65.0
NEW YORK	225	92	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8.4	57.7
NEW JERSEY	13	6	.6	2.7	.5	.8	1.7	5.2	6.7	11.7	.2	.7	4.1
PENNSYLVANIA	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	3.2
NORTH CENTRAL REGION	18	9	.8	2.8	.7	1.2	2.0	4.4	3.6	7.9	.2	.8	3.1
WEST NORTH CENTRAL DIVISION	14	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MINNESOTA[6]	8	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	4	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	22	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH ATLANTIC DIVISION	16	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
SOUTH CAROLINA	6	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.2
FLORIDA	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	26	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	24	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	21	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3943-- CHILDREN'S VEHICLES, EXC. BICYCLES													
UNITED STATES	45	23	3.7	19.4	3.1	6.4	13.9	38.7	40.9	78.7	3.5	4.5	35.3
NORTHEAST REGION	19	9	1.0	5.0	.9	1.9	3.4	8.4	10.7	19.2	.3	1.6	9.6
NEW ENGLAND DIVISION	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	2.7
MASSACHUSETTS	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	6.9
NEW YORK	9	5	.5	2.4	.5	1.0	1.8	4.1	4.5	8.6	(D)	.8	4.9
PENNSYLVANIA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	15	8	1.7	9.7	1.4	2.9	7.1	19.9	19.5	39.2	3.0	2.3	20.4
EAST NORTH CENTRAL DIVISION	11	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WISCONSIN	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3949-- SPORTING AND ATHLETIC GOODS, NEC													
UNITED STATES	1 366	383	45.2	228.3	37.2	72.0	160.0	469.5	406.5	853.3	22.5	40.5	361.0
NORTHEAST REGION	309	109	11.2	55.2	9.4	18.2	40.9	101.8	107.5	206.3	4.1	11.7	93.9
NEW ENGLAND DIVISION	94	31	4.5	23.5	3.8	7.3	18.1	42.3	38.5	81.2	1.5	5.4	49.5
MASSACHUSETTS	38	11	3.1	16.6	2.6	5.1	13.1	30.9	27.1	58.4	1.1	3.8	37.9
RHODE ISLAND	13	5	.2	1.1	.2	.4	.8	2.2	1.9	3.9	(D)	[2](D)	[2](D)
CONNECTICUT	24	11	.9	4.7	.8	1.4	3.4	7.0	6.8	14.0	(D)	.8	6.3
MIDDLE ATLANTIC DIVISION	215	78	6.6	31.7	5.6	10.9	22.8	59.5	69.0	125.2	2.5	6.3	44.4
NEW YORK	115	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	25.3
NEW JERSEY	38	14	1.0	5.0	.9	1.7	3.8	9.2	10.6	19.9	.3	[2](D)	[2](D)
PENNSYLVANIA	62	25	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	458	140	16.4	87.7	13.0	25.2	58.9	180.6	152.1	322.1	7.9	16.3	162.1
EAST NORTH CENTRAL DIVISION	330	101	12.6	70.9	9.8	19.3	46.7	141.1	119.1	251.4	5.2	12.5	136.5
OHIO	61	17	3.9	24.5	2.6	5.1	14.1	50.3	41.3	84.4	.7	3.7	25.6
INDIANA	25	8	.6	3.0	.5	1.0	2.1	5.7	3.7	9.4	.2	.7	5.3
ILLINOIS	97	31	3.4	17.6	2.8	5.4	13.3	33.5	35.3	67.6	1.5	3.2	29.6
MICHIGAN	91	25	3.2	19.2	2.5	5.1	12.5	37.7	28.1	65.6	2.4	3.6	66.9
WISCONSIN	56	20	1.5	6.6	1.3	2.6	4.7	13.9	10.7	24.4	.4	1.4	9.2
WEST NORTH CENTRAL DIVISION	128	39	3.7	16.9	3.2	5.9	12.2	39.5	33.0	70.7	2.7	3.7	25.6
MINNESOTA	41	15	1.4	6.0	1.2	2.1	4.4	13.7	15.6	28.3	1.0	.9	8.3
IOWA	23	7	1.2	5.5	1.0	1.9	4.0	14.1	6.7	20.1	.9	1.1	8.8
MISSOURI	36	11	.8	3.7	.7	1.3	2.7	8.9	8.2	17.2	.5	1.5	7.2
NEBRASKA	9	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	15	2	.2	.7	.1	.2	.5	1.0	.8	1.8	(Z)	[2](D)	[2](D)
SOUTH REGION	296	71	11.6	55.2	9.8	18.9	39.3	121.9	95.6	210.8	8.1	8.1	66.9
SOUTH ATLANTIC DIVISION	122	23	5.0	24.6	4.1	8.2	17.4	52.7	35.6	85.6	2.9	3.7	35.0
MARYLAND	8	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	7	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	8.3
GEORGIA	14	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	68	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	3.6
EAST SOUTH CENTRAL DIVISION	57	19	2.9	15.2	2.5	4.7	10.7	33.8	24.0	53.5	2.1	1.8	11.5
KENTUCKY	9	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	19	9	1.6	7.5	1.4	2.5	5.6	15.6	11.0	23.8	.5	1.0	5.5
ALABAMA	21	4	.6	2.6	.5	.9	1.7	6.8	6.5	12.8	.7	[2](D)	[2](D)
WEST SOUTH CENTRAL DIVISION	117	29	3.7	15.4	3.2	6.1	11.1	35.5	36.0	71.7	3.2	2.6	20.3
ARKANSAS	15	6	1.3	5.3	1.1	2.3	4.1	12.1	12.0	25.4	2.3	[2](D)	[2](D)
LOUISIANA	18	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
OKLAHOMA	15	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	69	17	1.3	5.9	1.0	1.9	3.7	13.0	9.4	22.0	.6	1.0	6.8
WEST REGION	303	63	6.1	30.1	5.1	9.6	20.9	65.2	51.3	114.0	2.4	4.5	38.1
MOUNTAIN DIVISION	45	5	1.1	3.9	1.0	1.8	3.3	7.2	3.2	9.7	.1	.8	3.6
IDAHO	13	1	.3	.9	.2	.4	.7	1.5	.9	2.3	(D)	[2](D)	[2](D)
COLORADO	10	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	2.3
PACIFIC DIVISION	258	58	5.1	26.2	4.1	7.8	17.6	58.0	48.1	104.3	2.3	3.7	34.5
WASHINGTON	39	7	.4	1.6	.4	.6	1.2	4.2	3.3	7.6	.2	.3	2.2
OREGON	25	4	.4	1.9	.3	.6	1.3	3.8	2.7	6.3	.3	[2](D)	[2](D)
CALIFORNIA	194	47	4.2	22.7	3.4	6.6	15.1	50.0	42.1	90.3	1.9	3.1	30.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250 to 499 employees
CC - 500 to 999 employees
EE - 1,000 to 2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Musical instruments and parts (SIC 3931)	Games and toys (SIC 3941)	Dolls (SIC 3942)	Children's vehicles, except bicycles (SIC 3943)	Sporting and athletic goods, n.e.c. (SIC 3949)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.97	.88	.99	.81	.95
COVERAGE RATIO[2]	.98	.96	.70	.61	.91
ESTABLISHMENTS, TOTAL ..... NUMBER	343	684	340	45	1 366
WITH 1 TO 19 EMPLOYEES ..... DO	222	354	202	22	983
WITH 20 TO 99 EMPLOYEES ..... DO	63	221	112	11	284
WITH 100 EMPLOYEES OR MORE ..... DO	58	109	26	12	99
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	24.9	55.1	11.9	3.7	45.2
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	143.7	264.9	46.4	19.4	228.3
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	20.8	46.1	10.7	3.1	37.2
MARCH ..... DO	21.0	36.3	8.3	3.0	36.8
MAY ..... DO	20.4	43.1	10.5	3.2	38.0
AUGUST ..... DO	20.6	51.4	12.1	3.1	36.3
NOVEMBER ..... DO	21.0	53.6	11.8	3.0	37.8
MAN-HOURS ..... MILLIONS	39.9	86.6	18.4	6.4	72.0
JANUARY-MARCH ..... DO	10.3	16.9	3.5	1.6	17.9
APRIL-JUNE ..... DO	9.9	20.5	4.6	1.7	18.4
JULY-SEPTEMBER ..... DO	9.2	23.8	5.2	1.6	17.4
OCTOBER-DECEMBER ..... DO	10.5	25.4	5.1	1.6	18.3
WAGES ..... MILLION DOLLARS	106.0	178.1	34.3	13.9	160.0
COST OF MATERIALS, ETC., TOTAL ..... DO	202.4	490.6	80.0	40.9	406.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ..... DO	177.6	427.9	66.9	35.9	357.5
COST OF RESALES ..... DO	20.6	39.3	6.2	2.9	36.4
FUELS CONSUMED ..... DO	1.0	2.0	.2	.2	2.2
PURCHASED ELECTRIC ENERGY ..... DO	1.9	5.8	.9	.4	4.1
CONTRACT WORK ..... DO	1.3	15.7	5.8	1.5	6.3
VALUE OF SHIPMENTS, INCLUDING RESALES ..... DO	434.3	1 113.5	162.8	78.7	853.3
VALUE OF RESALES ..... DO	27.2	66.7	7.2	3.5	44.2
VALUE ADDED BY MANUFACTURE ..... DO	237.8	614.3	82.8	38.7	469.5
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL ..... DO	118.6	169.4	17.3	12.5	191.5
FINISHED PRODUCTS ..... DO	31.3	78.5	7.7	4.0	88.8
WORK IN PROCESS ..... DO	50.9	29.0	2.8	3.0	46.0
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	36.4	61.9	6.7	5.6	56.7
END OF YEAR, TOTAL ..... DO	123.6	159.4	16.4	13.9	218.1
FINISHED PRODUCTS ..... DO	35.9	69.9	8.3	4.1	105.2
WORK IN PROCESS ..... DO	52.2	29.0	2.3	3.8	52.4
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	35.5	60.5	5.8	6.0	60.5
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ..... DO	11.0	35.4	2.6	3.6	23.6
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	10.6	33.7	2.4	3.5	22.5
NEW STRUCTURES AND ADDITIONS TO PLANT ..... DO	5.4	12.3	.3	1.7	6.5
NEW MACHINERY AND EQUIPMENT ..... DO	5.2	21.4	2.1	1.9	16.0
USED PLANT AND EQUIPMENT ..... DO	.4	1.7	.2	(Z)	1.1

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand.

[1] The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2] The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3931-- MUSICAL INSTRUMENTS AND PARTS											
ESTABLISHMENTS, TOTAL	343	24.9	143.7	20.8	39.9	106.0	237.8	202.4	434.3	10.6	123.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	130	.2	.9	.2	.3	.8	2.0	1.5	3.5	[2] 2.9	.7
5 TO 9 EMPLOYEES[e]	51	.4	1.9	.3	.6	1.5	3.6	2.5	6.1	.1	.8
10 TO 19 EMPLOYEES	41	.5	2.9	.4	.8	2.1	4.4	4.1	8.2	.2	1.5
20 TO 49 EMPLOYEES	31	1.0	5.9	.9	1.8	4.4	10.0	6.9	17.0	.3	3.0
50 TO 99 EMPLOYEES	32	2.3	13.3	2.0	3.9	10.0	24.1	16.8	40.7	.8	7.2
100 TO 249 EMPLOYEES	29	4.4	23.4	3.7	7.2	17.4	38.7	34.5	72.9	1.9	19.1
250 TO 499 EMPLOYEES	18	6.5	40.8	5.4	10.4	30.7	60.6	50.6	109.4	1.7	32.9
500 TO 999 EMPLOYEES	9	9.5	54.6	7.9	14.9	39.1	94.4	85.5	176.6	2.5	58.4
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORD[1 e]	129	.3	1.2	.3	.4	1.0	2.4	1.8	4.2	.1	.9
3941-- GAMES AND TOYS											
ESTABLISHMENTS, TOTAL	68.4	55.1	264.9	46.1	86.6	178.1	614.3	490.6	[1] 113.5	33.7	159.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	221	.4	1.5	.4	.6	1.2	5.1	6.7	11.7	.3	1.4
5 TO 9 EMPLOYEES[e]	66	.4	1.9	.4	.7	1.4	4.9	5.1	9.9	.3	1.3
10 TO 19 EMPLOYEES	67	.9	4.2	.7	1.4	3.0	8.5	6.3	14.8	.4	1.6
20 TO 49 EMPLOYEES	127	4.2	18.4	3.6	6.8	13.0	37.7	34.2	71.7	1.6	8.2
50 TO 99 EMPLOYEES	94	6.6	28.8	5.7	10.5	20.0	63.6	52.7	116.2	4.4	15.6
100 TO 249 EMPLOYEES	62	9.6	40.9	8.1	15.6	29.3	93.0	75.6	166.3	3.7	28.0
250 TO 499 EMPLOYEES	27	9.5	45.8	8.1	15.4	32.8	98.9	76.3	176.1	6.0	32.4
500 TO 999 EMPLOYEES	10	6.1	31.0	5.2	10.2	22.1	63.6	59.2	125.4	4.0	25.0
1,000 TO 2,499 EMPLOYEES	9	17.4	92.5	14.0	25.3	55.2	239.0	174.6	421.5	13.0	45.8
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORD[1 e]	223	.6	2.3	.6	.9	1.8	5.1	3.9	9.0	.3	1.5
3942-- DOLLS											
ESTABLISHMENTS, TOTAL	340	11.9	46.4	10.7	18.4	34.3	82.8	80.0	162.8	2.4	16.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	102	.2	.7	.2	.3	.5	1.5	1.3	2.7	.1	.4
5 TO 9 EMPLOYEES[e]	45	.3	1.0	.3	.4	.7	2.1	1.6	3.7	.2	.4
10 TO 19 EMPLOYEES	55	.8	2.9	.7	1.2	2.1	5.0	5.1	10.2	.3	1.1
20 TO 49 EMPLOYEES	75	2.4	8.8	2.2	3.8	6.7	14.6	11.9	26.3	.5	2.4
50 TO 99 EMPLOYEES	37	2.7	11.1	2.4	4.5	8.1	18.2	19.3	37.5	.6	3.5
100 TO 249 EMPLOYEES	19	2.9	12.5	2.6	4.5	9.2	21.0	23.4	44.4	.5	6.1
250 TO 499 EMPLOYEES	6	2.5	9.5	2.3	3.7	7.1	20.5	17.5	38.0	.2	2.7
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORD[1 e]	131	.4	1.5	.4	.7	1.1	3.1	2.2	5.3	.3	.6
3943-- CHILDREN'S VEHICLES, EXC. BICYCLES											
ESTABLISHMENTS, TOTAL	45	3.7	19.4	3.1	6.4	13.9	38.7	40.9	78.7	3.5	13.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	15	.6	3.2	.5	1.2	2.4	5.9	6.4	12.2	[2] .2	1.9
5 TO 9 EMPLOYEES[e]	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	7	1.2	5.8	1.0	2.1	4.2	12.7	11.8	23.5	.2	5.3
250 TO 499 EMPLOYEES	4	1.8	10.5	1.4	3.0	7.2	20.1	22.9	43.1	3.1	6.7
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORD[1 e]	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3949-- SPORTING AND ATHLETIC GOODS, NEC											
ESTABLISHMENTS, TOTAL	1 366	45.2	228.3	37.2	72.0	160.0	469.5	406.5	853.3	22.5	218.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	656	1.1	4.2	1.1	1.7	3.0	10.5	10.0	20.5	.1	4.4
5 TO 9 EMPLOYEES[e]	152	1.1	4.7	1.0	1.8	3.4	9.6	9.2	18.6	.4	3.0
10 TO 19 EMPLOYEES	175	2.5	11.5	2.1	3.9	8.0	25.0	21.2	45.9	.8	7.9
20 TO 49 EMPLOYEES	192	5.9	27.6	5.0	9.3	19.4	52.1	53.8	105.2	2.2	18.7
50 TO 99 EMPLOYEES	92	6.4	28.8	5.4	10.2	20.7	60.8	52.0	110.3	4.4	23.5
100 TO 249 EMPLOYEES	62	10.1	48.9	8.3	16.0	34.8	95.1	93.9	183.6	4.2	48.7
250 TO 499 EMPLOYEES	27	9.3	46.4	7.9	16.1	35.7	97.2	82.2	174.2	6.3	50.0
500 TO 999 EMPLOYEES	6	4.3	24.6	3.1	6.0	15.1	48.6	32.1	79.1	1.9	25.3
1,000 TO 2,499 EMPLOYEES	4	4.7	31.6	3.3	7.0	19.9	70.5	52.2	116.0	2.2	36.7
ESTABS. COVERED BY ADMIN. RECORD[1 e]	689	1.6	6.0	1.6	2.6	4.2	13.6	13.2	26.8	.2	5.8

Note: Detailed figures may not add to totals because of independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanations of terms, for discussion of items.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. [e] Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or more 50 employees.) -Represents zero.

[1] Report forms were not mailed to companies that operated only one establishments and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2] Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3931	Musical instruments and parts.....1967..	434.3	391.8	13.3	29.2	97	401.2	391.8	9.4	98
	1963..	314.4	293.5	8.3	12.6	97	319.4	293.5	25.8	92
3941	Games and toys.....1967..	1,113.5	908.1	127.4	78.0	88	949.1	908.1	41.0	96
	1963..	796.6	693.9	61.8	40.9	92	763.9	693.9	70.0	91
3942	Dolls.....1967..	162.8	152.6	0.3	9.9	99+	217.0	152.6	64.4	70
	1963..	247.9	164.9	(D)	(D)	80-85	190.4	164.9	25.5	87
3943	Children's vehicles, except bicycles....1967..	78.7	60.6	14.3	3.8	81	99.6	60.6	39.0	61
	1963..	77.5	54.0	22.0	1.5	71	82.7	54.0	28.7	65
3949	Sporting and athletic goods, n.e.c.....1967..	853.3	758.7	42.9	51.7	95	836.4	758.7	77.7	91
	1963..	704.7	597.6	47.0	60.2	93	655.5	597.6	58.0	91

Note: Detailed figures may not add to totals because of independent rounding of independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Item	All industries	Musical instruments and parts (SIC 3931)	Games and toys (SIC 3941)	Dolls (SIC 3942)	Children's vehicles, except bicycles (SIC 3943)	Sporting and athletic goods, n.e.c. (SIC 3949)	All other industries
	Total shipments and miscellaneous receipts	(X)	434.3	1,113.5	162.8	78.7	853.3	(X)
3931-	Musical instruments and parts	401.2	391.8	3.9	-	-	(Z)	5.5
39311	Pianos	91.2	91.1	-	-	-	-	0.1
39312	Organs	126.2	122.9	(D)	-	-	-	(D)
39313	Piano and organ parts	46.0	43.9	(D)	-	-	(Z)	(D)
39314	Other musical instruments and parts	123.4	119.9	(D)	-	-	-	(D)
39310	Musical instruments and parts, n.s.k	14.4	14.0	-	-	-	-	0.4
3941-	Games and toys	949.1	-	908.1	(under 2)	(under 2)	0.5	39.6
3942-	Dolls	217.0	-	62.2	152.6	-	-	2.2
3943-	Children's vehicles, except bicycles	99.6	-	(5-10)	(Z)	60.6	(under 2)	(20-50)
3949-	Sporting and athletic goods, n.e.c	836.4	-	(10-20)	-	(2-5)	758.7	61.8
39491	Fishing tackle and equipment	111.1	-	(Z)	-	-	106.6	4.5
39492	Golf equipment	158.6	-	(Z)	-	-	141.8	16.8
39493	Other sporting and athletic goods	470.3	-	(D)	-	(D)	422.6	31.8
39490	Sporting and athletic goods, n.s.k	96.4	-	(Z)	-	-	87.7	8.7
	Other product shipments by 4-digit product group							
1961-	Small arms ammunition	(X)	-	(over 2)	-	-	-	(X)
2511-	Wood household furniture	(X)	(under 2)	0.2	-	2.1	(under 2)	(X)
2514-	Metal household furniture	(X)	-	-	-	5.6	-	(X)
2821-	Plastics materials and resins	(X)	-	-	-	-	(over 2)	(X)
3011-	Tires and inner tubes	(X)	-	-	-	-	(over 2)	(X)
3079-	Miscellaneous plastics products	(X)	-	8.9	-	-	0.7	(X)
3141-	Shoes, except rubber	(X)	-	-	-	-	4.0	(X)
3631-	Household cooking equipment	(X)	-	(over 2)	-	-	-	(X)
3651-	Radio and TV receiving sets	(X)	11.2	(under 2)	-	-	-	(X)
3662-	Radio and TV communication equipment	(X)	-	-	-	-	(over 2)	(X)
3729-	Aircraft equipment, n.e.c	(X)	-	-	-	-	(over 2)	(X)
3799-	Transportation equipment, n.e.c	(X)	-	(under 2)	-	(over 2)	-	(X)
3952-	Lead pencils and art goods	(X)	-	(over 2)	-	-	-	(X)
3963-	Buttons	(X)	-	(over 2)	-	-	-	(X)
3993-	Signs and advertising displays	(X)	-	(5-10)	-	-	(under 2)	(X)
	Other secondary products[1]	(X)	2.1	52.2	0.3	6.6	37.7	(X)
	Miscellaneous receipts, total	(X)	29.2	78.0	9.9	3.8	51.7	(X)
9300000	Contract work	(X)	0.2	7.5	2.0	-	3.7	(X)
9998900	Resales	(X)	27.2	66.7	7.2	3.5	44.2	(X)
9998061	Repair work	(X)	(X)	(X)	(X)	(X)	1.4	(X)
9998098	Other	(X)	1.8	3.8	0.6	0.2	2.4	(X)
	Listing of the other industries with over $2 million shipments of the primary products							
3941-	3069 Fabricated rubber products, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	3.4
3941-	3079 Miscellaneous plastics products	(X)	(X)	(X)	(X)	(X)	(X)	14.2
3941-	3461 Metal stampings	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3941-	3631 Household cooking equipment	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3941-	3651 Radio and TV receiving sets	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3943-	3522 Farm machinery	(X)	(X)	(X)	(X)	(X)	(X)	(5-10)
3943-	3751 Motorcycles, bicycles, and parts	(X)	(X)	(X)	(X)	(X)	(X)	(10-20)
3949-	1961 Small arms ammunition	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3949-	2329 Men's and boys' clothing, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	(2-5)
3949-	2531 Public building furniture	(X)	(X)	(X)	(X)	(X)	(X)	2.6
3949-	3069 Fabricated rubber products, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	21.7
3949-	3079 Miscellaneous plastics products	(X)	(X)	(X)	(X)	(X)	(X)	7.4
3949-	3161 Luggage	(X)	(X)	(X)	(X)	(X)	(X)	(over 2)
3949-	3199 Leather goods, n.e.c	(X)	(X)	(X)	(X)	(X)	(X)	3.8

Note: Data shown parenthetically are ranges expressed im millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand (or under 50 employees).

[1]Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000)	Value (million dollars)	Quantity (1,000)	Value (million dollars)
3931- --	MUSICAL INSTRUMENTS AND PARTS, TOTAL	(X)	401.2	(X)	319.4
39311 --	Pianos, total	(X)	91.2	(X)	87.7
39311 11	Verticals, uprights, or consoles, 37 inches or less in height	119.2	46.0	115.5	38.6
39311 15	Verticals, uprights, or consoles, over 37 inches in height	74.2	34.9	92.8	40.3
39311 51	Grand pianos	5.9	10.3	5.5	8.8
39312 --	Organs, total	(X)	126.2	(X)	107.3
39312 11	Pipe and reed	(NA)	15.8	(NA)	13.7
39312 51	Electronic	(NA)	110.4	141.9	93.6
39313 --	Piano and organ parts, total	(X)	46.0	(X)	42.3
39313 11	Piano parts and materials (actions, attachments, strings, tuning pins, etc.), except benches	(X)	36.3	(X)	33.6
39313 51	Organ parts and materials, except benches	(X)	9.7	(X)	8.7
39314 --	Other musical instruments and parts, total	(X)	123.4	(X)	77.7
	Wind instruments, except organs and accordians:				
39314 13	Wood winds	260.8	23.3	177.7	13.0
39314 15	Brass winds	234.2	26.0	198.1	17.4
39314 23	Fretted instruments, nonelectronic only (such as guitars, banjos, mandolins, ukeleles, etc.)	(NA)	14.4	(NA)	11.7
39314 25	String instruments (such as violins, violas, bass, and cello)				
39314 31	Accessories and parts, sold separately, such as reed mouthpieces, music stands, drummers traps, etc., except instrument cases and benches	(X)	18.1	(X)	10.5
39314 51	Electronic musical instruments, other than electronic organs	(X)	19.2	(X)	9.7
39314 98	Other nonelectronic musical instruments, including harps, accordians, and percussion instruments, such as drums, vibes, etc.	(X)	21.6	(X)	11.2
39314 00	Other musical instruments and parts, n.s.k.	(X)	0.7	(X)	4.2
39310 00	Musical instruments and parts, n.s.k. (For companies with 10 or more employees. See Note.)	(X)	10.2	(X)	4.4
39310 02	Musical instruments and parts, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	4.2		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3941- --	GAMES AND TOYS, TOTAL	949.1	763.9
39410 11	Doll carriages and doll carts	22.0	[1]10.1
39410 15	Doll houses and furniture		([2])
39410 21	Toy trains and equipment (mechanical and electric)	10.7	17.1
	Mechanically powered toys, except trains and vehicle racing sets:		
39410 33	Battery operated	37.5	62.7
39410 35	Other, including those powered by spring and friction motors	4.1	
39410 36	Vehicular racing sets, including accessories and parts	42.4	
	Handicraft, hobby, structural, and model kits, sets, and components:		
39410 41	Structural kits, sets, and components	134.3	6.7
39410 51	Model construction sets (automobiles, airplanes, ships, trains, etc.)		42.6
39410 55	Other, including handicraft and hobby kits		([2])
39410 38	Nonpowered transportation toys (nonriding) (excluding model kits; including boats, cars, trucks) etc	53.5	[2]460.4
39410 63	Scientific toys (microscopes, chemistry sets, telegraph sets, mineralogy sets, etc.)	7.6	
39410 65	Toy guns, gun sets, and rifles	49.3	
39410 67	Infant and preschool toys, n.e.c. including musical toys and toy musical instruments	82.0	
39410 73	Children's books: coloring books and picture-word books	210.8	
39410 87	Other toys not listed above		
	Games and puzzles:		
39410 91	Board games (chess, checkers, etc.)	104.6	100.6
39410 92	Sports oriented action games (football, baseball, etc.)	10.7	
39410 94	Other, including puzzles, etc	38.9	
39410 96	Parts for toys and games	23.4	12.3
39410 00	Games and toys, except dolls and children's vehicles, n.s.k.(For companies with 10 or more employees. See Note.)	108.6	51.5
39410 02	Games and toys, except dolls and children's vehicles, n.s.k. (For companies with less than 10 employees. See Note.)	8.8	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value ($1,000)	Quantity (million dollars)	Value (million dollars)
3942- --	DOLLS, TOTAL	(X)	217.0	(X)	190.4
	Dolls:				
	Dolls, complete, made of rubber, plastic, or similar materials (except stuffed dolls):				
39420 06	Regular size, over 12 inches	41.9	94.5	25.7	63.4
39420 07	Miniature, 12 inches and under	16.0	18.9	13.5	19.2
39420 08	Stuffed dolls	6.7	12.2	6.6	13.8
39420 16	Doll parts	(X)	16.5	(X)	15.3
39420 18	Doll clothes and accessories	(X)	6.2	(X)	13.9
39420 53	Stuffed toy animals	29.0	43.4	28.4	38.5
39420 55	Other stuffed toys, including puppets	(X)	4.6	(X)	4.3
39420 00	Dolls and stuffed toy animals, n.s.k. (For establishments with 10 or more employees. See Note.)	(X)	15.3	(X)	22.0
39420 02	Dolls and stuffed toy animals, n.s.k. (For establishments with less than 10 employees. See Note.)	(X)	5.3		
3943- --	CHILDREN'S VEHICLES, EXCEPT BICYCLES, TOTAL	(X)	99.6	(X)	82.7
39430 11	Baby carriages, including combination carriage-strollers	320	8.2	329	7.4
39430 15	Strollers	1,454	16.3	1,023	12.6
39430 21	Baby walkers	978	3.3	612	4.4
39430 33	Children's pedal driven automobiles and tractors	1,019	9.7	1,055	9.8
39430 43	Velocipedes (3-wheeled) and tricycles; including chain-driven tricycles	3,271	23.7	3,113	20.8
39430 61	Children's wagons (coaster, express, and other)	(X)	(3)	2,562	8.6
39430 71	Sleds	1,186	4.9	1,271	5.3
39430 81	Parts for children's vehicles, sold separately	(X)	1.6	(X)	2.2
39430 98	Other children's vehicles, including scooters, sidewalk cycles, 3-wheel play cars, etc	(X)	[3]28.5	(X)	9.9
39430 00	Children's vehicles, except bicycles, n.s.k	(X)	2.8	(X)	1.8
39430 02	Children's vehicles, except bicycles, n.s.k. (For companies with less than 10 employees. See Note.)	(X)	0.6		

	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3949- --	SPORTING AND ATHLETIC GOODS, N.E.C., TOTAL		(X)	836.4	(X)	655.5
39491 --	Fishing tackle and equipment, total		(X)	[4]111.1	(X)	96.9
39491 14	Fishing rods, all types	1,000	9,741	31.5	7,953	24.1
39491 15	Fishing reels	do	7,209	30.1	5,981	24.1
39491 16	Fishing hooks, including snelled hooks; casting plugs, spinners and spoons, flies, lures, and similar artificial baits		(X)	24.0	(X)	17.4
39491 19	Other fishing tackle, including floats, furnished lines, sinkers, snap swivels, etc		(X)	24.3	(X)	24.9
39491 00	Fishing tackle and equipment, n.s.k		(X)	1.2	(X)	6.4
39492 --	Golf equipment, total		(X)	158.6	(X)	116.9
39492 31	Golf balls	1,000 dozen	10,279	46.5	6,696	33.1
	Golf clubs:					
39492 41	Irons	1,000	7,600	44.0	6,915	33.0
39492 45	Woods	do	3,742	27.7	2,874	18.8
39492 47	Golfbags	do	1,072	11.3	(X)	32.0
39492 98	Other golf equipment, such as carts for carrying golf bags, shafts sold as such, etc. (excluding shoes and other accessories)		(X)	25.2		
39492 00	Golf equipment, n.s.k		(X)	3.8	(X)	[5]

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963—Continued

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value ($1,000)	Quantity	Value ($1,000)
3949- --	SPORTING AND ATHLETIC GOODS, N.E.C.--Continued					
39493 --	Other sporting and athletic goods, total	.....	(X)	470.3	(X)	408.5
39493 11	Billiard and pool tables	1,000.....	364	52.3	(X)	37.2
39493 15	Billiard and pool supplies (such as balls, cues, etc.) sold separately	.....	(X)	5.4		
39493 25	Bowling alleys	1,000.....	(NA)	5.2	(NA)	18.8
	Bowling alley playing supplies:					
39493 28	Bowling balls	...do.....	(NA)	24.4	1,559	16.9
39493 29	Other bowling alley playing supplies, including pins, bowling pinsetters, etc	.....	(X)	40.9	(X)	85.7
39493 31	Baseballs	1,000 dozen....	655	8.4	793	8.0
39493 33	Softballs and indoor type baseballs	...do.....	398	4.2	277	4.4
39493 35	Baseball bats, including softball bats	1,000.....	7,404	9.7	6,904	9.8
39493 37	Baseball mitts and gloves	1,000 dozen....	73	6.4	142	10.8
39493 41	Footballs	...do.....	(NA)	10.5	156	6.6
39493 43	Basketballs	...do.....	276	11.5	187	8.0
39493 49	Inflatable athletic balls other than footballs and basketballs (including soccerballs, volleyballs, etc.)	...do.....	(NA)	7.6	163	7.0
39493 51	Sidewalk and rink roller skates	1,000 pairs....	2,012	7.5	2,304	7.5
39493 55	Ice skates	...do.....	1,572	7.5	2,219	11.0
39493 61	Playground equipment, including rebound tumbling equipment, gymnasium equipment, and health and exercising equipment	.....	(X)	74.5	(X)	46.1
39493 71	Snow skis	.....	(X)	17.5	(X)	8.9
39493 73	Winter sports equipment, such as snow ski poles, bobsleds, toboggans, hockey goods (excluding athletic clothing, shoes, children's sleds, and skis)	.....	(X)	6.8	(X)	5.2
39493 75	Water skis	.....	(X)	4.2	(X)	3.6
39493 77	Underwater sports equipment (scuba) skin diving equipment, such as aqualungs and attachments, face masks, fins, etc. (excluding clothing, watches, and cameras)	.....	(X)	13.8	(X)	5.3
39493 81	Tennis, badminton, and related equipment, including tennis balls, rackets, and frames, shuttle cocks, squash equipment, and other supplies	.....	(X)	11.2	(X)	9.7
39493 85	Archery equipment	.....	(X)	22.2	(X)	12.4
39493 98	Other sporting and athletic goods, including boxing gloves, table tennis goods, water skiing equipment (except skis) wading pools, etc., but excluding athletic clothing and shoes	.....	(X)	110.2	(X)	70.5
39493 00	Other sporting and athletic goods, n.s.k.	.....	(X)	8.5	(X)	[5]15.0
39490 00	Sporting and athletic goods, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	69.9	(X)	33.2
39490 02	Sporting and athletic goods, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	26.5		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments are included in the code ending with "002" which is further discussed in the text. Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 census of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.
[1]2,538 thousand units were shipped in 1963.
[2]Data for doll houses and furniture (3941015), and other handicraft and hobby kits (3941055) were included with other toys (3941087) in 1963.
[3]Data for children's wagons are included with product code 3943098 "other children's vehicles...." to avoid disclosing figures for individual companies.
[4]The 1966 total for this product class has been revised from $133.7 million to $113.7 million.
[5]1963 data for product code 3949200 is included with product code 3949300.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
ORGANS (39312)		
United States	126.2	107.3
Northeast Region	11.9	12.8
New England Div	BB	2.7
Connecticut	AA	(1)
Middle Atlantic Div	CC	10.1
New York	2.3	(1)
New Jersey	AA	(1)
Pennsylvania	CC	(1)
North Central Region	72.6	68.2
East North Central Div	GG	(D)
Ohio	AA	2.1
Indiana	EE	(1)
Illinois	57.2	56.9
West North Central Div	AA	(D)
Kansas	AA	(D)
South Region	FF	(D)
South Atlantic Div	CC	(D)
Maryland	BB	(1)
East South Central Div	EE	(D)
Mississippi	EE	(1)
West South Central Div	EE	(D)
Arkansas	EE	(1)
West Region	EE	(D)
Pacific Div	EE	(D)
Oregon	AA	(D)
California	EE	(1)
OTHER MUSICAL INSTRUMENTS AND PARTS (39314)		
United States	123.4	77.7
Northeast Region	19.9	13.5
New England Div	3.9	2.3
Massachusetts	3.7	2.0
Middle Atlantic Div	16.0	11.2
New York	5.7	5.5
New Jersey	CC	(1)
Pennsylvania	BB	(1)
North Central Region	86.8	55.6
East North Central Div	GG	(D)
Ohio	CC	5.2
Indiana	36.0	18.9
Illinois	24.4	18.7
Michigan	CC	(1)
Wisconsin	9.6	7.8
West North Central Div	BB	(D)
Kansas	BB	(D)
South Region	3.6	(D)
West South Central Div	BB	(D)
Arkansas	AA	(D)
Texas	AA	(D)
West Region	13.0	(D)
Mountain Div	AA	(D)
Arizona	AA	(D)
Pacific Div	EE	(D)
California	10.2	7.1
DOLLS AND STUFFED TOY ANIMALS (39420)		
United States	217.0	190.4
Northeast Region	162.5	151.0
New England Div	13.9	8.6
Massachusetts	5.0	5.7
Connecticut	2.6	1.8
Middle Atlantic Div	148.5	142.4
New York	116.0	122.8
New Jersey	27.3	14.8
Pennsylvania	5.2	4.8
North Central Region	8.3	3.3
West North Central Div	CC	(D)
Minnesota	3.5	(D)
Iowa	AA	(D)
Missouri	2.7	(D)
South Region	EE	11.3
South Atlantic Div	EE	(D)
South Carolina	CC	(1)
Georgia	BB	4.0
Florida	BB	(D)
West Region	FF	(D)
Pacific Div	FF	24.8
California	FF	(1)
BABY CARRIAGES AND CHILDREN'S VEHICLES, EXCEPT BICYCLES (39430)		
United States	99.6	82.7
Northeast Region	19.9	19.3
New England Div	4.8	6.0
Massachusetts	3.9	(1)
Middle Atlantic Div	15.0	13.3
New York	9.3	9.2
Pennsylvania	BB	(1)
North Central Region	42.7	35.4
East North Central Div	38.1	30.9
Ohio	BB	6.1
Indiana	AA	(1)
Illinois	FF	15.8
Michigan	AA	(1)
Wisconsin	BB	(1)
West North Central Div	4.6	4.5
Missouri	BB	(1)
South Region	30.5	22.0
South Atlantic Div	BB	(D)
West Virginia	BB	(D)
East South Central Div	FF	(D)
Kentucky	AA	(D)
Tennessee	EE	(1)
Alabama	CC	(1)
Mississippi	BB	(1)
West Region	6.6	6.0
Pacific Div	CC	(D)
California	CC	(1)
FISHING TACKLE AND EQUIPMENT (39491)		
United States	111.1	96.9
Northeast Region	20.0	18.3
New England Div	2.8	2.8
Connecticut	AA	1.2
Middle Atlantic Div	17.1	15.5
New York	8.7	9.2
Pennsylvania	CC	5.0
North Central Region	34.0	38.6
East North Central Div	25.2	30.5
Ohio	3.6	5.4
Indiana	1.6	2.2
Illinois	5.3	2.0
Michigan	8.0	16.0
Wisconsin	6.6	4.9
West North Central Div	8.8	8.1
Minnesota	3.0	3.5
Iowa	4.2	(1)
South Region	39.0	24.6
South Atlantic Div	16.0	(D)
Virginia	AA	(1)
South Carolina	CC	(1)
Florida	5.6	4.0
East South Central Div	1.2	(D)
West South Central Div	21.8	(D)
Arkansas	CC	(D)
Oklahoma	EE	(1)
Texas	2.7	1.9
West Region	18.2	15.3
Mountain Div	6.6	5.5
Idaho	AA	(1)
Colorado	BB	(1)
Pacific Div	11.7	9.8
Washington	BB	2.0
California	8.3	7.1
GOLF EQUIPMENT (39492)		
United States	158.6	(NA)
Northeast Region	52.8	(NA)
New England Div	47.0	(NA)
Massachusetts	FF	(NA)
Rhode Island	CC	(NA)
Connecticut	AA	(NA)
Middle Atlantic Div	5.8	(NA)
New Jersey	BB	(NA)
Pennsylvania	2.3	(NA)
North Central Region	51.4	(NA)
East North Central Div	46.7	(NA)
Ohio	15.3	(NA)
Illinois	20.7	(NA)
Michigan	CC	(NA)
Wisconsin	BB	(NA)
West North Central Div	4.7	(NA)
Iowa	AA	(NA)
Missouri	AA	(NA)

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
GOLF EQUIPMENT (39492)--Con.		
South Region	46.3	(NA)
South Atlantic Div	EE	(NA)
South Carolina	BB	(NA)
Georgia	EE	(NA)
East South Central Div	FF	(NA)
Kentucky	BB	(NA)
Tennessee	EE	(NA)
Alabama	BB	(NA)
West South Central Div	4.9	(NA)
Arkansas	AA	(NA)
Texas	BB	(NA)
West Region	8.0	(NA)
Mountain Div	AA	(NA)
Arizona	AA	(NA)
Pacific Div	CC	(NA)
Oregon	BB	(NA)
California	BB	(NA)
OTHER SPORTING AND ATHLETIC GOODS (39493)		
United States	470.3	(NA)
Northeast Region	130.0	(NA)
New England Div	35.7	(NA)
Vermont	BB	(NA)
Massachusetts	18.4	(NA)
Rhode Island	2.1	(NA)
Connecticut	12.0	(NA)
Middle Atlantic Div	94.3	(NA)
New York	45.6	(NA)
New Jersey	15.5	(NA)
Pennsylvania	33.3	(NA)
North Central Region	188.4	(NA)
East North Central Div	140.6	(NA)
Ohio	53.8	(NA)
Indiana	7.6	(NA)
Illinois	34.1	(NA)
Michigan	33.6	(NA)
Wisconsin	11.5	(NA)
OTHER SPORTING AND ATHLETIC GOODS (39493)--Con.		
West North Central Div	47.8	(NA)
Minnesota	20.4	(NA)
Iowa	10.8	(NA)
Missouri	14.1	(NA)
Nebraska	AA	(NA)
South Region	96.1	(NA)
South Atlantic Div	32.0	(NA)
Maryland	EE	(NA)
Virginia	EE	(NA)
South Carolina	AA	(NA)
Georgia	3.7	(NA)
Florida	2.0	(NA)
East South Central Div	30.3	(NA)
Kentucky	12.1	(NA)
Tennessee	CC	(NA)
Alabama	EE	(NA)
West South Central Div	33.8	(NA)
Arkansas	DD	(NA)
Louisiana	CC	(NA)
Texas	9.2	(NA)
West Region	55.9	(NA)
Pacific Div	GG	(NA)
Washington	1.9	(NA)
Oregon	1.8	(NA)
California	51.4	(NA)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In million of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3931-	Musical instruments and parts	401.2	434.5	394.5	356.6	319.4	242.1	168.6	120.7
39311	Pianos	91.2	98.1	98.6	94.1	87.7	63.7	56.7	51.6
39312	Organs	126.2	146.8	129.8	117.7	107.3	79.4	37.5	14.5
39313	Piano and organ parts	46.0	52.7	45.5	43.8	42.3	51.1	38.1	22.9
39314	Other musical instruments and parts	123.4	133.7	117.0	99.0	77.7	47.9	36.4	31.7
39310	Musical instruments and parts, n.s.k.	14.4	(3.2)	(3.6)	(1.9)	4.4	-	-	-
39410	Games and toys, except dolls, and children's vehicles	949.1	1,023.1	943.0	819.5	763.9	522.0	400.4	185.9
39420	Dolls and stuffed toy animals	217.0	213.3	222.3	208.8	190.4	161.9	131.9	63.2
39430	Baby carriages and children's vehicles, except bicycles	99.6	99.5	99.2	86.5	82.7	72.9	64.5	86.5
3949-	Sporting and athletic goods, n.e.c.	836.4	787.4	721.0	661.9	655.5	519.9	302.7	210.0
39491	Fishing tackle and equipment	111.1	113.7	110.3	99.6	96.9	75.8	67.4	57.8
39492	Golf equipment	158.6	645.9	586.9	554.7	525.4	398.8	219.2	138.5
39493	Other sporting and athletic goods	470.3							
39490	Sporting and athletic goods, n.e.c., n.s.k.	96.4	(27.9)	(23.8)	(7.6)	33.2	45.4	16.0	13.7

Note: See "Note" to table 6A for an explanation of "n.s.k." product class. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses in the value of shipments columns either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3941.--GAMES AND TOYS					
	Materials, components, parts, containers, and supplies, total..	.....	(X)	427.9	(X)	325.2
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons..	62.4	12.4	53.0	12.7
331020	Alloy steel	...do.....	10.4	4.0	(NA)	3.3
331031	Stainless steel	...do.....				
335208	Aluminum and aluminum-base alloy	Million lbs.....	3.5	1.1	0.3	0.2
335121	Copper and copper-base alloy	...do.....	0.5	0.4	0.6	0.4
282130	Thermoplastic resins including modified resins	...do.....	223.8	44.1	184.3	36.5
282140	Thermosetting resins	...do.....	10.3	2.2	13.1	2.7
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)..	Million lin. yds..	2.6	1.2	2.5	1.2
311100	Leather, finished	Million lbs.....	1.4	0.6	3.4	0.9
265001	Paperboard containers and boxes	.....	(X)	46.4	(X)	38.8
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)[1]	1,000 units.....	28,940.2	4.3	7397.0	2.6
970099	All other materials, components, parts, containers, and supplies consumed	.....	(X)	232.5	(X)	183.6
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	78.7	(X)	42.3
	INDUSTRY 3942.--DOLLS					
	Materials, components, parts, containers, and supplies, total	.....	(X)	66.9	(X)	79.4
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons.			1.5	0.4
331020	Alloy steel	...do.....	(NA)	0.2		
331031	Stainless steel	...do.....			-	-
335208	Aluminum and aluminum-base alloy	Million lbs.....	-	-	(3)	(3)
335121	Copper and copper-base alloy	...do.....	(3)	(3)	(3)	(3)
282130	Thermoplastic resins, including modified resins	Million lbs.....	12.5	3.1	15.6	4.9
282140	Thermosetting resins	...do.....	(3)	(3)	(3)	(3)
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)...	Million lin. yds.	(NA)	13.2	11.5	8.2
265001	Paperboard containers and boxes	.....	(X)	3.1	(X)	6.4
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)[1]	1,000.....	(3)	(3)	(3)	(3)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	[3]24.8	(X)	[3]35.2
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	22.5	(X)	24.2
	INDUSTRY 3943.--CHILDREN'S VEHICLES, EXCEPT BICYCLES					
	Materials, components, parts, containers, and supplies, total	.....	(X)	35.9	(X)	39.0
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons.				
331020	Alloy steel	...do.....	51.9	10.9	38.1	7.7
331031	Stainless steel	...do.....				
335208	Aluminum and aluminum-base alloy	Million lbs.....	(3)	(3)	(3)	(3)
335121	Copper and copper-base alloy	.....	-	-	(3)	(3)
282130	Thermoplastic resins including modified resins	...do.....	(3)	(3)	(3)	(3)
282140	Thermosetting resins	...do.....	(3)	(3)	(3)	(3)
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)...	Million lin. yds.	(3)	(3)	1.3	0.8
331100	Leather, finished	Million lbs.....	(3)	(3)	(3)	(3)
265001	Paperboard containers and boxes	.....	(X)	2.4	(X)	1.6
362115	Fractional horsepower electric motors (under 1 hp.), (excluding timing motors)[1]	1,000.....	-	-	(3)	(3)
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	19.1	(X)	19.9
976000	Materials, parts, containers, and supplies, n.s.k[2]	.....	(X)	3.5	(X)	9.1

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3949.--SPORTING AND ATHLETIC GOODS, N.E.C.					
	Materials, components, parts, containers, and supplies, total	.....	(X)	357.5	(X)	293.4
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons.	70.4	18.6	78.1	15.7
331020	Alloy steel	...do.....	9.8	4.9	5.5	4.3
331031	Stainless steel	...do.....	2.0	2.1	1.5	1.9
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate and foil	Million lbs.....	4.1	2.0		
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	...do.....	19.8	8.6	9.4	5.1
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	...do.....	2.9	1.6		
335121	Copper and copper-base alloy	...do.....	3.1	2.6	2.4	2.0
336100	Aluminum and aluminum-base alloy castings[1]	...do.....	2.7	2.3	(NA)	(NA)
282130	Thermoplastic resins, including modified resins	...do.....	39.3	13.0	11.5	4.6
282140	Thermosetting resins	...do.....	10.6	3.2	6.4	2.3
220123	Broadwoven fabrics (cotton, wool, manmade fiber fabrics, etc.)	Million lin. yds.	(NA)	8.2	17.5	9.0
311100	Leather, finished	Million lbs.....	9.6	11.9	8.2	14.3
265011	Paperboard containers and boxes	.....	(X)	9.9	(X)	9.0
362115	Fractional horsepower electric motors (under 1 hp.) (excluding timing motors)[1]	1,000.....	283.3	4.8	69.0	2.1
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	189.1	(X)	175.6
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	74.7	(X)	47.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands rather than rounding in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (Z) Under $50 thousand.

[1] No data are available for the quantities of aluminum and aluminum-base alloy castings or fractional horsepower electric motors produced and consumed in the same establishment.

[2] This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[3] Included with material code 970099, "All other materials and components, etc." to avoid disclosing figures for individual companies.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Item	Unit of measure	Industry	
		Games and toys (SIC 3941)	Sporting and athletic goods, n.e.c. (SIC 3949)
Cost of purchased fuels and electric energy, total	Million dollars.	7.8	6.3
Cost of purchased fuels, total	...do.....	2.0	2.2
Purchased electric energy:			
Quantity	Million kw.-hrs.	369.3	304.0
Cost	Million dollars.	5.8	4.1
Quantity of electric energy generated less quantity sold	Million kw.-hrs.	-	1.5
Total energy used for heat and power[1]	Million kw.-hrs. equiv.....	1,387.3	1,423.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under $50 thousand.

[1] Represents the quantity of purchased electric energy and the killowatt-hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3931	MUSICAL INSTRUMENTS AND PARTS										
	ENTIRE INDUSTRY	343	24.9	143.7	20.8	39.9	106.0	237.8	202.4	434.3	10.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	335	23.3	135.4	19.5	37.5	100.2	228.6	183.4	406.4	7.4
39311	PIANOS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	21	5.5	30.8	4.5	8.7	22.0	45.6	55.6	101.1	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39312	ORGANS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	30	7.8	42.9	6.6	12.2	30.9	71.4	71.7	144.6	2.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	26	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39313	PIANO AND ORGAN PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	36	3.2	15.8	2.6	4.9	11.6	22.4	15.3	37.6	.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	32	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39314	OTHER MUSICAL INSTRUMENTS AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	83	7.5	50.0	6.2	12.6	38.1	90.5	54.0	137.8	3.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	76	7.2	48.2	5.9	12.0	36.7	89.0	50.6	132.6	3.1
3941	GAMES AND TOYS										
	ENTIRE INDUSTRY	685	55.6	267.7	46.5	87.	179.4	619.2	498.9	1 126.4	34.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	637	40.2	190.7	34.0	63.	133.1	426.6	341.0	778.9	26.3
3942	DOLLS										
	ENTIRE INDUSTRY	340	11.9	46.4	10.7	18.4	34.3	82.8	80.0	162.8	2.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	320	11.4	44.8	10.3	17.7	33.1	80.7	79.6	160.3	2.3
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES										
	ENTIRE INDUSTRY	45	3.7	19.4	3.1	6.4	13.9	38.7	40.9	78.7	3.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	38	2.4	12.4	2.0	4.1	8.8	23.5	25.2	48.4	2.3
3949	SPORTING AND ATHLETIC GOODS, NEC										
	ENTIRE INDUSTRY	1 366	45.2	228.3	37.2	72.0	160.0	469.5	406.5	853.3	22.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	1 334	41.2	208.1	34.0	65.7	146.5	428.8	379.0	787.0	20.7
39491	FISHING TACKLE AND EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	136	8.7	35.6	7.4	14.0	26.7	74.2	52.2	124.3	2.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	125	7.5	30.2	6.4	12.1	22.9	62.3	46.9	107.6	2.2
39492	GOLF EQUIPMENT										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	65	7.9	43.0	6.6	13.2	33.4	86.8	63.5	145.9	4.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	60	7.4	40.4	6.1	12.2	31.3	82.0	58.2	135.7	4.7
39493	OTHER SPORTING AND ATHLETIC GOODS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	295	22.5	124.5	17.7	34.9	81.9	258.6	242.7	486.7	13.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	265	18.5	102.7	14.6	28.8	67.3	215.7	209.8	412.4	11.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of terms, for discussion of terms.

Standard notes: -Represents zero. (X) Not applicable. (D) Withheld to avoid disclosing figures for individual companies.

OFFICE SUPPLIES, COSTUME JEWELRY, AND NOTIONS

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3951--Pens, Pen Points, Fountain Pens, Ball Point Pens, Mechanical Pencils and Parts
3952--Lead Pencils, Crayons, and Artists' Materials
3953--Marking Devices
3955--Carbon Paper and Inked Ribbons
3961--Costume Jewelry and Costume Novelties, Except Precious Metal
3962--Feathers Plumes and Artificial Flowers
3963--Buttons
3964--Needles, Pins, Hooks and Eyes, and Similar Notions

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3951--PENS, PEN POINTS, FOUNTAIN PENS, BALL POINT PENS, MECHANICAL PENCILS AND PARTS

This industry comprises establishments primarily engaged in manufacturing pens, pen-points, fountain pens, ball point pens, refill cartridges, and parts for pens and mechanical pencils. For a detailed list of products of industry 3951, refer to table 6A, product codes 3951001 to 3951071.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Pens and Mechanical Pencils Industry in 1967 totaled $212 million. This included shipments of pens and mechanical pencils (primary products), valued at $193 million, shipments of other products (secondary products) valued at $15 million, and miscellaneous receipts of $4 million.

This industry's shipments of pens and mechanical pencils (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 90 percent.

Industry 3951 shipments of pens and mechanical pencils (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $211 million shipped by all industries. In 1963, the coverage ratio was 93 percent. Other industries shipping

pens and mechanical pencils (primary products) included industry 3952, Lead Pencils and Art Goods, $8 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3951, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3952--LEAD PENCILS, CRAYONS, AND ARTISTS' MATERIALS

This industry comprises establishments primarily engaged in manufacturing lead pencils, pencil leads, and crayons; materials and equipment for art work, such as airbrushes, drawing tables and boards, palettes, sketch boxes, pantographs, artists' colors and waxes, pyrography goods, drawing inks, and drafting materials. Establishments primarily engaged in manufacturing mechanical pencils are classified in industry 3951, and drafting instruments in industry 3811. For a detailed list of products of industry 3952, refer to table 6A, product codes 3952111 to 3952211.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Lead Pencils and Art Goods Industry in 1967 totaled $159 million. This included shipments of lead pencils and art goods (primary products), valued at $124 million, shipments of other products (secondary products) valued at $22 million, and miscellaneous receipts (mainly resales) of $13 million.

This industry's shipments of lead pencils and art goods (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 87 percent. Secondary products shipped by this industry in 1967 included pens and mechanical pencils ($8 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 56 percent of the total industry shipments are represented by plants specializing in product class 39521, Lead pencils and crayons; and 34 percent in 39522, Artists' materials.

Industry 3952 shipments of lead pencils and art goods (primary products) in 1967 represented 93 percent (coverage ratio) of these products valued at $133 million shipped by all industries. In 1963, the coverage ratio was 90 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3952, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

3953--MARKING DEVICES

This industry comprises establishments primarily engaged in manufacturing rubber and metal hand stamps, dies, and seals; steel letters and figures; and stencils for use in painting or marking. For a detailed list of products of industry 3953, refer to table 6A, product codes 3953013 to 3953098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Marking Devices Industry in 1967 totaled $146 million. This included shipments of marking devices (primary products), valued at $119 million, shipments of other products (secondary products) valued at $13 million, and miscellaneous receipts (mainly resales) of $14 million.

This industry's shipments of marking devices (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 84 percent.

Industry 3953 shipments of marking devices (primary products) in 1967 represented 91 percent (coverage ratio) of these products valued at $131 million shipped by all industries. In 1963, the coverage ratio was 90 percent. Other industries shipping marking devices (primary products) included industry 2752, Commercial Printing, Lithographic, $3 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3953, these establishments accounted for 6 percent of payroll and 9 percent of value added by manufacture.

3955--CARBON PAPER AND INKED RIBBONS

This industry comprises establishments primarily engaged in manufacturing carbon paper for business machines, sales books, etc.; spirit or gelatin process and other stencil paper; and inked ribbons for business machines. For a detailed list of products of industry 3955, refer to table 6A, product codes 3955012 to 3955098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Carbon Paper And Inked Ribbons Industry in 1967 totaled $207 million. This included shipments of carbon paper and inked ribbons (primary products), valued at $176 million, shipments of other products (secondary products) valued at $11 million, and miscellaneous receipts (mainly resales) of $20 million.

This industry's shipments of carbon paper and inked ribbons (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent.

Industry 3955 shipments of carbon paper and inked ribbons (primary products) in 1967 represented 79 percent (coverage ratio) of these products valued at $222 million shipped by all industries. In 1963, the coverage ratio was 83 percent. Other industries shipping carbon paper and inked ribbons (primary products) included industry 3579, Office Machines, N.E.C., $14 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3955, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3961--COSTUME JEWELRY AND COSTUME NOVELTIES EXCEPT PRECIOUS METAL

This industry comprises establishments primarily engaged in manufacturing costume jewelry, costume novelties, and ornaments made of all materials, except precious metal, precious or semiprecious stones, and rolled gold plate and gold filled materials (industry 3911). For a detailed list of products of industry 3961, refer to table 6A, product codes 3961011 to 3961098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Costume Jewelry And Notions Industry in 1967 totaled $377 million. This included shipments of costume jewelry and notions (primary products), valued at $310 million, shipments of other products (secondary products) valued at $16 million, and miscellaneous receipts (mainly resales) of $50 million.

This industry's shipments of costume jewelry and notions (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 95 percent. Secondary products shipped by this industry in 1967 consisted mainly of jewelry, precious metal ($9 million).

Industry 3961 shipments of costume jewelry and notions (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $338 million shipped by all industries. In 1963, the coverage ratio was 95 percent. Other industries shipping costume jewelry and notions (primary products) consisted mainly of industry 3911, Jewelry, Precious Metal, $24 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3961, these establishments accounted for 4 percent of payroll and 5 percent of value added by manufacture.

3962--FEATHERS, PLUMES, AND ARTIFICIAL FLOWERS

This industry comprises establishments primarily engaged in manufacturing artificial flowers, fruits, and foliage made from all materials except glass (industry 3231); in producing fancy feathers, plumes, and articles made principally of feathers and plumes; and curling, dyeing, and renovating ostrich feathers for the trade. For a detailed list of products of industry 3962, refer to table 6A, product codes 3962013 to 3962021.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Artificial Flowers Industry in 1967 totaled $85 million. This included shipments of artificial flowers (primary products), valued at $74 million, shipments of other products (secondary products) valued at $2 million, and miscellaneous receipts (mainly resales) of $9 million.

This industry's shipments of artificial flowers (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 97 percent.

Industry 3962 shipments of artificial flowers (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $86 million shipped by all industries. In 1963, the coverage ratio was 87 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3962, these establishments accounted for 7 percent of payroll and 8 percent of value added by manufacture.

3963--BUTTONS

This industry comprises establishments primarily engaged in manufacturing buttons, button parts, and button blanks and molds, of all materials except precious metal and precious or semiprecious stones (industry 3911). For a detailed list of products of industry 3963, refer to table 6A, product codes 3963011 to 3963098.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Buttons Industry in 1967 totaled $81 million. This included shipments of buttons (primary Products), valued at $75 million, shipments of other products (secondary products) valued at $3 million, and miscellaneous receipts (mainly resales) of $3 million.

This industry's shipments of buttons (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 96 percent.

Industry 3963 shipments of buttons (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $84 million shipped by all industries. In 1963, the coverage ratio was 87 percent. Other industries shipping buttons (primary products) included industry 3964, Needles, Pins and Fasteners, $4 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3963, these establishments accounted for 5 percent of payroll and 6 percent of value added by manufacture.

3964--NEEDLES, PINS, HOOKS AND EYES, AND SIMILAR NOTIONS

This industry comprises establishments primarily engaged in manufacturing notions, such as machine and hand needles, pins, hooks and eyes, eyelets, buckles, and slide and snap fasteners. For a detailed list of products of industry 3964, refer to table 6A, product codes 3964121 to 3964289.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Needles, Pins and Fasteners Industry in 1967 totaled $385 million. This included shipments of needles, pins and fasteners (primary products), valued at $342 million, shipments of other products (secondary products) valued at $24 million, and miscellaneous receipts (mainly resales) of $20 million.

This industry's shipments of needles, pins and fasteners (primary products) in 1967 represented 93 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 91 percent. Secondary products shipped by this industry in 1967 included buttons and parts ($4 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 57 percent of the total industry shipments are represented by plants specializing in product class 39641, zippers and slide fasteners; and 37 percent in 39642, needles, pins, fasteners (except slide) and similar notions.

Industry 3964 shipments of needles, pins and fasteners (primary products) in 1967 represented 89 percent (coverage ratio) of these products valued at $382 million shipped by all industries. In 1963, the coverage ratio was 92 percent. Other industries shipping needles, pins and fasteners (primary products) included industry 3461, Metal Stampings, $18 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3964, these establishments accounted for 1 percent of payroll and 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
INDUSTRY 3951.--PENS AND MECHANICAL PENCILS														
1967 Census....	119	61	11.8	62.8	9.2	18.1	38.6	140.5	74.2	211.8	6.8	37.7	93	92
1966 ASM[1].....	(NA)	(NA)	12.3	63.4	10.1	19.8	39.4	145.7	72.5	216.4	5.2	35.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	12.2	58.7	9.4	18.3	35.9	131.6	70.3	200.7	6.4	34.2	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	11.3	54.6	8.6	17.7	33.4	115.9	68.2	184.6	4.4	31.5	(NA)	(NA)
1963 Census....	139	67	11.6	55.0	9.1	17.9	33.9	119.1	66.6	185.5	4.1	29.5	90	93
1962 ASM[1].....	(NA)	(NA)	10.5	48.6	8.1	15.7	29.0	109.8	70.2	180.9	*6.1	29.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	10.2	44.4	7.8	15.2	27.1	96.7	70.0	169.6	*5.5	27.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	11.1	46.1	8.7	17.4	29.0	96.0	70.8	168.5	3.8	27.4	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	10.9	44.2	8.6	16.7	27.6	92.9	60.1	152.8	2.9	26.3	(NA)	(NA)
1958 Census[2]...	147	66	11.2	45.9	8.5	16.2	27.9	90.2	58.0	150.3	3.8	26.2	93	93
INDUSTRY 3952.--LEAD PENCILS AND ART GOODS														
1967 Census....	131	59	7.9	42.2	6.0	12.0	24.7	79.8	80.5	158.9	4.6	36.4	85	93
1966 ASM[1].....	(NA)	(NA)	8.3	40.3	6.4	12.6	24.7	81.2	79.4	159.6	3.2	33.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	7.8	37.3	6.0	11.8	22.9	75.5	69.8	145.8	*2.4	28.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	7.4	35.7	5.6	10.5	20.2	76.9	62.5	135.5	1.9	30.4	(NA)	(NA)
1963 Census....	144	57	6.9	31.9	5.0	9.8	18.4	64.7	56.8	121.6	1.6	26.4	87	90
1962 ASM[1].....	(NA)	(NA)	6.0	26.5	4.5	9.5	16.1	57.2	52.4	107.6	1.8	25.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.3	26.0	4.8	9.6	16.0	54.2	48.8	102.8	1.3	21.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.4	26.6	4.8	9.8	15.7	54.4	54.6	108.8	1.7	22.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.1	27.3	5.2	10.1	15.8	53.9	53.5	107.0	*1.0	22.4	(NA)	(NA)
1958 Census[2]...	146	54	6.7	26.2	4.7	9.4	14.7	47.9	49.1	98.5	2.0	22.0	88	92
INDUSTRY 3953.--MARKING DEVICES														
1967 Census....	602	109	8.5	53.3	5.8	11.1	29.2	98.1	50.4	146.3	6.4	17.8	90	91
1966 ASM[1].....	(NA)	(NA)	8.7	55.1	5.6	10.9	28.8	101.5	63.3	162.2	*5.8	19.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	7.7	45.8	5.4	11.0	26.1	90.8	45.6	135.6	*3.0	15.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	8.0	44.0	5.0	11.8	26.2	83.7	45.1	128.1	*3.9	13.4	(NA)	(NA)
1963 Census....	616	90	7.6	41.4	5.3	10.7	24.9	85.6	41.7	126.8	2.2	12.1	84	90
1962 ASM[1].....	(NA)	(NA)	6.8	34.6	4.5	9.4	20.5	58.8	31.7	89.9	*2.3	9.0	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.0	29.6	4.1	8.6	18.1	49.6	24.6	73.9	1.5	6.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	5.8	30.2	4.0	8.2	18.5	49.4	25.2	74.4	*1.3	6.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	5.7	28.9	4.0	7.9	18.1	48.5	23.4	72.0	*1.3	6.3	(NA)	(NA)
1958 Census[2]...	525	70	5.4	24.8	3.9	7.4	15.6	39.9	20.0	59.9	1.4	5.9	96	86
INDUSTRY 3955.--CARBON PAPER AND INKED RIBBONS														
1967 Census....	107	63	6.5	41.8	4.4	9.0	23.8	93.8	113.2	206.8	5.3	30.9	94	79
1966 ASM[1].....	(NA)	(NA)	5.8	36.5	3.8	7.7	20.5	90.0	109.9	196.5	4.0	32.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	5.8	35.0	4.0	8.0	20.2	83.7	95.4	177.6	2.4	26.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.6	33.6	3.9	8.1	18.7	77.9	89.6	166.5	*3.7	26.2	(NA)	(NA)
1963 Census....	102	52	5.5	31.5	3.8	7.7	17.6	68.4	87.0	155.5	2.3	23.3	95	83
1962 ASM[1].....	(NA)	(NA)	6.5	34.5	4.4	8.8	18.7	73.1	94.0	165.9	*4.2	26.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.4	32.8	4.3	8.2	17.3	70.4	89.0	158.2	2.2	25.4	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.5	33.3	4.4	8.4	17.0	69.3	79.9	148.0	1.9	24.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	6.1	30.1	4.1	8.1	16.0	63.8	71.6	136.4	1.7	22.4	(NA)	(NA)
1958 Census[2]...	103	61	5.8	27.6	3.9	7.9	15.1	59.0	68.0	126.0	2.7	21.9	91	89

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967–Continued

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3961.--COSTUME JEWELRY													
1967 Census....	764	206	22.4	106.9	19.4	36.7	73.8	220.5	160.5	376.5	4.4	48.5	95	92
1966 ASM[1].....	(NA)	(NA)	21.6	94.4	18.5	35.8	65.8	186.7	153.4	335.0	5.8	37.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	21.3	89.8	17.6	33.8	60.5	173.8	140.8	313.0	*3.9	32.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	21.6	88.1	18.2	35.3	60.9	158.1	137.6	294.3	1.7	34.7	(NA)	(NA)
1963 Census....	912	204	21.7	85.3	18.2	34.5	59.8	151.0	132.4	280.5	3.8	34.2	95	95
1962 ASM[1].....	(NA)	(NA)	22.3	81.1	18.5	34.7	52.6	136.2	119.3	253.2	1.4	25.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	21.9	79.7	18.2	34.7	51.5	132.2	124.1	253.2	1.5	26.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	22.0	78.3	18.6	35.5	52.1	132.0	115.8	245.2	*2.2	25.7	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	24.3	80.7	20.7	38.2	55.8	134.2	111.8	245.1	*3.1	29.8	(NA)	(NA)
1958 Census[2]...	1,051	255	25.3	83.2	21.3	40.0	58.3	138.0	116.0	253.8	5.8	35.2	95	96
	INDUSTRY 3962.--ARTIFICIAL FLOWERS													
1967 Census....	321	79	5.2	20.2	4.6	7.9	14.8	43.3	41.4	84.7	0.7	11.2	97	85
1966 ASM[1].....	(NA)	(NA)	3.8	15.1	3.3	5.7	10.7	36.7	38.4	73.5	*0.8	10.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	4.2	15.5	3.6	6.2	11.1	35.7	40.4	74.0	*0.6	11.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	4.8	17.0	4.1	7.6	12.6	33.0	32.6	65.6	*0.7	9.9	(NA)	(NA)
1963 Census....	384	70	5.0	16.3	4.3	7.6	12.1	29.2	30.6	60.4	0.7	9.6	97	87
1962 ASM[1].....	(NA)	(NA)	5.2	15.6	4.4	7.9	10.6	28.2	31.6	59.8	(Z)	8.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.9	16.9	5.2	9.5	12.0	29.0	34.4	63.5	(Z)	8.1	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	6.6	19.6	5.8	10.5	13.9	32.0	33.3	65.3	*0.6	9.6	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	7.0	19.7	6.0	11.0	14.4	34.7	33.3	67.4	*0.4	9.0	(NA)	(NA)
1958 Census[2]...	431	101	6.8	19.0	5.9	11.0	14.4	34.6	30.5	65.0	0.9	7.6	98	98
	INDUSTRY 3963.--BUTTONS													
1967 Census....	234	62	4.8	23.7	4.1	8.0	16.8	46.1	35.5	80.8	1.2	12.2	97	90
1966 ASM[1].....	(NA)	(NA)	5.3	24.1	4.5	8.2	16.3	43.2	29.4	72.9	*1.2	11.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	5.3	22.2	4.6	8.3	16.2	41.4	29.4	70.6	*1.4	12.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	5.2	22.1	4.3	8.6	15.6	50.8	35.4	86.0	*1.0	11.7	(NA)	(NA)
1963 Census....	290	69	5.6	23.0	4.7	9.1	16.5	43.8	37.9	81.8	1.0	11.8	96	87
1962 ASM[1].....	(NA)	(NA)	5.4	20.5	4.7	9.5	15.8	38.5	33.5	73.9	1.8	10.6	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	5.6	20.1	4.9	9.8	15.1	37.5	32.1	71.6	0.7	10.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	5.6	20.4	4.8	9.6	15.3	37.5	31.6	70.8	0.8	11.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	6.4	21.1	5.5	10.5	16.1	41.5	32.7	74.5	*1.7	10.9	(NA)	(NA)
1958 Census[2]...	356	87	6.5	21.5	5.5	10.4	15.8	38.0	30.6	68.6	1.4	11.3	98	88
	INDUSTRY 3964.--NEEDLES, PINS, AND FASTENERS													
1967 Census....	289	138	19.2	101.1	15.9	31.8	70.5	218.1	168.5	385.3	15.3	61.4	93	89
1966 ASM[1].....	(NA)	(NA)	22.4	108.5	18.5	36.1	76.6	233.5	182.3	409.3	12.6	68.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	22.0	103.8	18.1	35.6	73.7	231.6	172.8	398.0	8.4	65.0	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	19.7	96.1	16.1	34.5	68.7	209.3	153.5	356.7	10.2	58.4	(NA)	(NA)
1963 Census....	343	149	20.3	89.4	16.7	32.6	64.1	190.9	146.1	337.3	7.4	51.8	91	92
1962 ASM[1].....	(NA)	(NA)	20.7	87.0	17.1	31.9	62.8	188.0	135.7	319.0	7.2	50.3	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	18.4	78.2	15.0	28.6	55.0	161.0	122.1	283.5	*6.1	44.6	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	18.3	75.9	14.8	28.2	53.1	154.2	105.1	255.1	7.2	45.0	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	18.7	76.1	15.2	29.1	52.9	147.0	106.8	251.5	*4.5	41.3	(NA)	(NA)
1958 Census[2]...	367	128	17.8	69.9	14.3	26.7	48.0	127.7	93.6	220.5	4.3	37.4	93	89

Note: In 1967, 1963, and 1958, the number of companies in industry 3951 was 113, 122, and 141, respectively; in industry 3952: 123, 140, and 138; industry 3953: 561, 581, and 497; industry 3955: 87, 91, and 97; industry 3961: 763, 910, and 1,046; industry 3962: 319, 367, and 428; industry 3963: 227, 282, and 347; industry 3964: 262, 314, and 340. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: -Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability. (Z) Under 50 thousand (or under 50 employees.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry..

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3951.--PENS AND MECHANICAL PENCILS								
1967 Census	5,318	78	1,953	2.14	.35	.65	11,891	45	7.78
1966 ASM	5,147	82	1,951	1.99	.33	.63	11,826	44	7.37
1965 ASM	4,814	77	1,950	1.97	.35	.64	10,784	45	7.19
1964 ASM	4,845	77	2,047	1.89	.37	.67	10,277	47	6.56
1963 Census	4,754	78	1,979	1.89	.36	.66	10,298	46	6.64
1962 ASM	4,627	77	1,945	1.85	.39	.66	10,453	44	6.99
1961 ASM	4,367	76	1,956	1.78	.41	.67	9,504	46	6.35
1960 ASM	4,167	79	1,993	1.67	.42	.69	8,681	48	5.52
1959 ASM	4,063	79	1,952	1.65	.39	.68	8,547	48	5 56
1958 Census	4,102	76	1,906	1.72	.39	.69	8,068	51	5.56
	INDUSTRY 3952.--LEAD PENCILS AND ART GOODS								
1967 Census	5,315	76	1,987	2.06	.51	.77	10,041	53	6.65
1966 ASM	4,873	78	1,959	1.96	.50	.75	9,814	50	6.46
1965 ASM	4,806	77	1,973	1.94	.48	.73	9,734	49	6.40
1964 ASM	4,847	76	1,893	1.92	.46	.72	10,447	46	7.30
1963 Census	4,651	73	1,958	1.87	.47	.73	9,425	49	6.58
1962 ASM	4,439	76	2,087	1.70	.49	.73	9,592	46	6.03
1961 ASM	4,139	76	2,014	1.66	.47	.73	8,643	48	5.64
1960 ASM	4,169	76	2,034	1.60	.50	.75	8,524	49	5.55
1959 ASM	3,848	73	1,941	1.57	.50	.76	7,589	51	5.34
1958 Census	3,916	70	1,988	1.57	.50	.76	7,164	55	5.12
	INDUSTRY 3953.--MARKING DEVICES								
1967 Census	6,262	69	1,893	2.64	.34	.71	11,533	54	8.87
1966 ASM	6,318	64	1,951	2.63	.39	.73	11,667	54	9.31
1965 ASM	5,978	70	2,031	2.39	.34	.67	11,858	50	8.29
1964 ASM	5,485	63	2,333	2.23	.35	.70	10,432	53	7.12
1963 Census	5,425	69	2,027	2.34	.33	.65	11,223	48	8.03
1962 ASM	5,058	66	2,073	2.17	.35	.74	8,583	59	6.23
1961 ASM	4,914	69	2,071	2.11	.33	.73	8,227	60	5.78
1960 ASM	5,206	68	2,076	2.25	.34	.74	8,523	61	6.01
1959 ASM	5,073	69	2,006	2.29	.32	.73	8,505	60	6.12
1958 Census	4,548	71	1,899	2.12	.33	.75	7,332	62	5.43
	INDUSTRY 3955.--CARBON PAPER AND INKED RIBBONS								
1967 Census	6,462	68	2,051	2.64	.55	.75	14,494	45	10.41
1966 ASM	6,276	65	2,046	2.66	.56	.76	15,479	41	11.68
1965 ASM	6,008	68	2,025	2.52	.54	.73	14,360	42	10.43
1964 ASM	6,007	70	2,053	2.33	.54	.74	13,948	43	9.68
1963 Census	5,683	69	2,009	2.30	.56	.76	12,340	46	8.91
1962 ASM	5,341	68	1,999	2.11	.57	.77	11,296	47	8.28
1961 ASM	5,101	66	1,930	2.10	.56	.77	10,967	47	8.55
1960 ASM	5,098	67	1,909	2.04	.54	.77	10,615	48	8.30
1959 ASM	4,910	66	2,008	1.96	.52	.75	10,397	47	7.84
1958 Census	4,746	67	2,003	1.92	.54	.76	10,133	47	7.51
	INDUSTRY 3961.--COSTUME JEWELRY								
1967 Census	4,766	86	1,893	2.01	.43	.71	9,833	48	6.02
1966 ASM	4,372	86	1,938	1.84	.46	.74	8,650	51	5.22
1965 ASM	4,218	83	1,919	1.79	.45	.74	8,164	52	5.15
1964 ASM	4,068	84	1,938	1.72	.47	.77	7,304	56	4.48
1963 Census	3,938	84	1,895	1.73	.47	.78	6,973	56	4.37
1962 ASM	3,632	83	1,872	1.52	.47	.79	6,097	60	3.93
1961 ASM	3,638	83	1,909	1.48	.49	.80	6,035	60	3.81
1960 ASM	3,551	85	1,905	1.47	.47	.79	5,991	59	3.72
1959 ASM	3,322	85	1,844	1.46	.46	.79	5,527	60	3.51
1958 Census	3,290	84	1,878	1.46	.46	.78	5,459	60	3.45
	INDUSTRY 3962.--ARTIFICIAL FLOWERS								
1967 Census	3,884	88	1,720	1.87	.49	.73	8,331	47	5.49
1966 ASM	3,938	87	1,700	1.89	.52	.73	9,573	41	6.49
1965 ASM	3,694	86	1,739	1.78	.55	.75	8,518	43	5.72
1964 ASM	3,569	86	1,849	1.66	.50	.76	6,946	51	4.37
1963 Census	3,295	86	1,784	1.59	.51	.78	5,888	56	3.84
1962 ASM	2,989	84	1,788	1.35	.53	.79	5,387	55	3.58
1961 ASM	2,871	88	1,842	1.26	.54	.81	4,916	58	3.04
1960 ASM	2,959	88	1,796	1.33	.51	.81	4,837	61	3.06
1959 ASM	2,836	86	1,841	1.31	.49	.79	4,990	57	3.16
1958 Census	2,810	88	1,861	1.30	.47	.76	5,118	55	3.14

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967–Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3963.--BUTTONS								
1967 Census	4,916	86	1,933	2.09	.44	.73	9,540	52	5.75
1966 ASM	4,540	85	1,827	1.97	.40	.73	8,137	56	5.25
1965 ASM	4,151	86	1,807	1.95	.42	.73	7,759	53	5.01
1964 ASM	4,289	83	2,004	1.82	.41	.67	9,840	44	5.90
1963 Census	4,112	84	1,932	1.81	.46	.74	7,814	53	4.79
1962 ASM	3,800	87	2,032	1.66	.45	.73	7,120	53	4.05
1961 ASM	3,558	86	2,022	1.54	.45	.73	6,646	54	3.81
1960 ASM	3,632	86	1,989	1.60	.45	.74	6,677	54	3.93
1959 ASM	3,275	86	1,895	1.54	.44	.72	6,443	51	3.96
1958 Census	3,331	85	1,894	1.52	.45	.76	5,875	57	3.64
	INDUSTRY 3964.--NEEDLES, PINS AND FASTENERS								
1967 Census	5,269	83	2,004	2.22	.44	.70	11,367	46	6.86
1966 ASM	4,841	82	1,951	2.12	.45	.71	10,415	46	6.47
1965 ASM	4,723	82	1,967	2.07	.43	.70	10,539	45	6.51
1964 ASM	4,874	81	2,151	1.99	.43	.70	10,616	46	6.06
1963 Census	4,412	82	1,958	1.96	.43	.70	9,416	47	5.85
1962 ASM	4,202	83	1,863	1.97	.43	.70	9,082	46	5.90
1961 ASM	4,238	82	1,899	1.92	.43	.71	8,731	49	5.64
1960 ASM	4,147	81	1,899	1.89	.41	.71	8,428	49	5.48
1959 ASM	4,074	81	1,920	1.82	.42	.73	7,873	52	5.05
1958 Census	3,935	80	1,875	1.79	.42	.74	7,190	55	4.78

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3951-- PENS AND MECHANICAL PENCILS													
UNITED STATES	119	61	11.8	62.8	9.2	18.1	38.6	140.5	74.2	211.8	6.8	11.6	119.1
NORTHEAST REGION	74	37	4.9	22.6	4.2	7.9	15.7	64.5	36.2	98.8	2.7	4.6	41.2
NEW ENGLAND DIVISION	8	6	1.3	8.1	1.0	1.9	4.8	30.8	8.2	37.5	1.2	.7	15.5
RHODE ISLAND	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	66	31	3.6	14.5	3.2	6.0	10.8	33.7	28.0	61.3	1.5	3.9	25.7
NEW YORK	47	21	2.1	8.2	1.9	3.3	6.3	18.8	17.9	36.5	.6	2.3	12.8
NEW JERSEY	15	8	1.4	6.0	1.3	2.5	4.3	14.5	9.9	24.1	.9	[2](D)	[2](D)
NORTH CENTRAL REGION	16	9	3.8	24.0	2.6	5.1	12.7	47.0	17.5	62.8	1.1	4.2	48.4
EAST NORTH CENTRAL DIVISION	8	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.9	27.5
ILLINOIS	3	3	.5	2.5	.4	.8	1.5	4.8	2.8	7.4	.2	[2](D)	[2](D)
WISCONSIN	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	20.9
IOWA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	10	6	1.7	8.0	1.4	2.8	4.6	15.2	7.7	22.9	1.0	1.6	15.9
SOUTH ATLANTIC DIVISION	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TENNESSEE	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	19	9	1.3	8.2	1.1	2.3	5.7	13.7	12.8	27.2	2.0	1.2	13.6
PACIFIC DIVISION	18	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	18	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
3952-- LEAD PENCILS AND ART GOODS													
UNITED STATES	131	59	7.9	42.2	6.0	12.0	24.7	79.8	80.5	158.9	4.6	6.9	64.7
NORTHEAST REGION	68	30	4.1	23.7	3.0	6.0	13.2	45.7	43.8	89.0	3.3	4.0	39.7
NEW ENGLAND DIVISION	9	4	.7	5.4	.5	.9	2.4	10.5	8.8	19.3	2.6	.6	8.2
CONNECTICUT	6	4	.7	5.4	.4	.9	2.4	10.4	8.8	19.2	2.6	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	59	26	3.3	18.3	2.5	5.1	10.8	35.2	35.0	69.8	.6	3.4	31.5
NEW YORK	36	13	1.0	6.4	.7	1.5	3.3	9.9	15.7	25.5	.2	1.2	11.3
NEW JERSEY	16	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9	7.2
PENNSYLVANIA	7	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	13.0
NORTH CENTRAL REGION	24	12	1.7	8.8	1.3	2.5	5.3	18.5	16.1	34.5	.6	(D)	(D)
EAST NORTH CENTRAL DIVISION	18	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	5	4	.8	4.1	.5	1.0	2.4	7.7	7.7	15.7	.2	.6	5.7
INDIANA	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	8	4	.3	1.3	.2	.4	.8	3.0	2.5	5.4	.1	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	6	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSOURI	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
KANSAS	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	26	16	2.1	9.3	1.7	3.4	5.9	14.6	19.7	33.6	.7	(D)	(D)
SOUTH ATLANTIC DIVISION	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
GEORGIA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
EAST SOUTH CENTRAL DIVISION	18	14	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	3	3	.2	.6	.2	.3	.5	1.1	2.1	3.1	(Z)	[2](D)	[2](D)
TENNESSEE	14	11	1.7	7.8	1.4	2.8	4.8	10.9	16.0	26.4	(D)	1.2	8.8
3953-- MARKING DEVICES													
UNITED STATES	602	109	8.5	53.3	5.8	11.1	29.2	98.1	50.4	146.3	6.4	7.6	85.6
NORTHEAST REGION	179	37	2.9	18.1	2.1	3.8	10.5	32.2	14.0	46.0	1.4	2.8	28.6
NEW ENGLAND DIVISION	54	9	.6	3.5	.5	.8	2.2	6.2	2.2	8.3	.2	.8	10.8
MASSACHUSETTS	33	5	.4	1.9	.3	.5	1.2	3.2	1.3	4.5	.1	.6	8.8
CONNECTICUT	12	3	.2	1.1	.1	.2	.7	2.3	.7	3.0	.1	.2	1.4
MIDDLE ATLANTIC DIVISION	125	28	2.3	14.6	1.6	3.0	8.3	26.1	11.8	37.7	1.2	2.0	17.8
NEW YORK	66	12	1.1	7.6	.8	1.5	3.9	13.4	6.0	19.4	.9	.9	8.9
NEW JERSEY	25	7	.4	2.1	.3	.5	1.4	3.9	2.2	6.0	.1	[2](D)	[2](D)
PENNSYLVANIA	34	9	.8	4.9	.6	1.0	3.1	8.8	3.6	12.3	.2	[2](D)	[2](D)
NORTH CENTRAL REGION	171	45	3.2	20.5	2.2	4.3	11.7	38.8	20.1	58.6	2.2	2.6	25.7
EAST NORTH CENTRAL DIVISION	130	33	2.5	16.7	1.8	3.4	9.4	31.5	16.3	47.5	2.1	2.0	19.2
OHIO	30	5	.4	2.5	.3	.6	1.5	4.0	1.7	5.7	.2	[2](D)	[2](D)
ILLINOIS	52	20	1.6	10.4	1.1	2.1	5.6	20.5	11.7	31.9	1.7	1.2	11.9
MICHIGAN	26	6	.4	2.8	.3	.5	1.7	5.0	2.1	7.0	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3953-- MARKING DEVICES--CON.													
NORTH CENTRAL REGION--CON.													
WEST NORTH CENTRAL DIVISION	41	12	.7	3.7	.5	.9	2.3	7.4	3.9	11.1	.1	.6	6.5
MINNESOTA	9	5	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.8
MISSOURI	15	5	.3	2.0	.2	.4	1.1	3.9	2.7	6.6	.1	.3	2.8
SOUTH REGION	142	14	1.2	5.9	.9	1.7	3.9	17.3	9.4	24.2	2.5	.9	9.6
SOUTH ATLANTIC DIVISION	74	10	.7	3.8	.6	1.1	2.5	8.0	5.3	11.2	(D)	.5	6.4
GEORGIA	10	6	.4	1.9	.3	.6	1.4	4.2	3.5	5.6	(D)	.2	3.5
EAST SOUTH CENTRAL DIVISION	19	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.7
TENNESSEE	10	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.3
WEST SOUTH CENTRAL DIVISION[c]	49	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.5
WEST REGION	110	13	1.3	8.8	.6	1.2	3.1	9.7	7.0	17.5	.3	1.2	21.7
MOUNTAIN DIVISION	19	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	91	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	69	9	.9	6.9	.4	.8	2.2	6.8	4.9	12.5	(D)	1.0	18.7
3955-- CARBON PAPER AND INKED RIBBONS													
UNITED STATES	107	63	6.5	41.8	4.4	9.0	23.8	93.8	113.2	206.8	5.3	5.5	68.4
NORTHEAST REGION	45	32	3.5	21.6	2.5	5.1	13.0	49.5	58.5	107.7	2.4	3.3	40.8
NEW ENGLAND DIVISION	8	7	.6	3.2	.4	.9	2.0	12.2	10.3	22.3	.4	.5	9.9
MASSACHUSETTS	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	37	25	2.9	18.4	2.1	4.2	11.0	37.4	48.2	85.4	2.0	2.8	30.9
NEW YORK	21	15	1.9	12.6	1.4	2.8	7.0	26.8	32.4	59.1	.8	1.9	22.7
NEW JERSEY	11	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7	6.2
PENNSYLVANIA	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	2.0
NORTH CENTRAL REGION	23	16	1.8	12.3	1.1	2.4	6.7	25.1	30.3	56.4	.9	1.5	19.0
EAST NORTH CENTRAL DIVISION	21	15	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
OHIO	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	12	11	.7	4.3	.5	.9	2.5	11.5	11.4	23.0	.4	.6	7.1
MICHIGAN	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	16	6	.4	2.5	.3	.6	1.5	9.7	11.3	20.3	1.1	.2	2.1
SOUTH ATLANTIC DIVISION	6	3	.2	1.1	.2	.3	.8	5.9	5.8	10.8	(D)	(D)	(D)
WEST REGION	23	9	.7	5.4	.5	.9	2.5	9.5	13.1	22.4	.9	.6	6.5
PACIFIC DIVISION	19	7	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	17	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	4.3

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3961-- COSTUME JEWELRY													
UNITED STATES	764	206	22.4	106.9	19.4	36.7	73.8	220.5	160.5	376.5	4.4	21.7	151.0
NORTHEAST REGION	656	192	21.0	101.0	18.0	34.2	69.3	207.4	150.3	353.5	4.1	20.5	142.0
NEW ENGLAND DIVISION	305	104	12.7	64.8	11.1	21.2	43.7	132.8	91.0	221.5	2.5	12.7	87.6
MASSACHUSETTS	35	16	2.9	18.6	2.5	4.5	9.7	52.3	23.5	74.1	(D)	3.2	30.4
RHODE ISLAND	259	84	8.1	36.2	7.1	13.6	26.4	65.2	56.2	120.6	1.2	8.2	47.7
CONNECTICUT	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	351	88	8.2	36.3	6.9	13.0	25.6	74.6	59.3	131.9	1.6	7.8	54.4
NEW YORK	330	81	7.3	32.3	6.1	11.5	22.8	66.7	54.2	119.1	1.2	7.1	49.8
NEW JERSEY[e]	12	4	.7	2.7	.6	1.1	2.0	4.8	3.2	8.0	(D)	.7	4.5
PENNSYLVANIA	9	3	.3	1.3	.2	.4	.8	3.1	1.9	4.8	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION[e]	25	5	.3	1.2	.2	.5	.9	2.5	3.0	5.5	.1	.4	2.8
EAST NORTH CENTRAL DIVISION	21	5	.3	1.2	.2	.4	.9	2.4	2.9	5.3	(D)	.3	2.4
ILLINOIS[e]	15	5	.2	1.1	.2	.4	.8	2.1	2.4	4.5	(D)	.1	1.5
SOUTH REGION	27	2	.5	1.7	.4	.8	1.4	4.9	2.3	7.2	(Z)	.3	2.0
EAST SOUTH CENTRAL DIVISION	7	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ALABAMA	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST REGION[e]	56	7	.8	2.9	.7	1.2	2.3	5.8	4.8	10.4	.2	.5	4.2
MOUNTAIN DIVISION[e]	14	2	.2	.6	.2	.3	.5	1.3	.9	2.2	(Z)	.1	.4
PACIFIC DIVISION[e]	42	5	.6	2.3	.5	.9	1.8	4.5	3.9	8.3	.1	.4	3.8
CALIFORNIA	33	5	.5	2.2	.5	.9	1.7	4.1	3.7	7.7	.1	.4	3.6
3962-- ARTIFICIAL FLOWERS													
UNITED STATES	321	79	5.2	20.2	4.6	7.9	14.8	43.3	41.4	84.7	.7	5.0	29.2
NORTHEAST REGION	169	47	3.1	13.1	2.7	4.9	9.6	28.0	26.9	55.2	.2	3.3	20.4
NEW ENGLAND DIVISION	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
RHODE ISLAND	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	159	43	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	121	31	2.0	8.5	1.8	3.3	6.3	19.1	16.4	35.3	.1	2.2	13.8
PENNSYLVANIA	22	9	.6	2.3	.5	.9	1.6	4.1	6.8	11.5	(Z)	.6	3.5
NORTH CENTRAL REGION	76	13	.9	3.3	.8	1.2	2.2	7.0	7.3	14.2	(D)	.8	4.0
EAST NORTH CENTRAL DIVISION	55	10	.7	2.6	.6	.9	1.8	4.6	4.0	8.7	.2	.4	2.5
OHIO	9	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	21	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST NORTH CENTRAL DIVISION	21	3	.2	.7	.2	.3	.4	2.4	3.2	5.5	(D)	.3	1.5
SOUTH REGION	38	15	.8	2.5	.8	1.2	2.0	5.2	4.8	9.9	.3	.6	3.2
SOUTH ATLANTIC DIVISION	25	10	.6	1.6	.5	.8	1.3	3.7	3.1	6.7	.2	.3	1.5
VIRGINIA	3	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	38	4	.3	1.3	.3	.5	.9	3.1	2.4	5.5	(D)	.3	1.6
PACIFIC DIVISION	33	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	29	4	.3	1.2	.3	.5	.9	2.9	2.2	5.1	(D)	[2](D)	[2](D)
3963-- BUTTONS													
UNITED STATES	234	62	4.8	23.7	4.1	8.0	16.8	46.1	35.5	80.8	1.2	5.6	43.8
NORTHEAST REGION	193	52	4.1	20.0	3.5	6.8	14.3	39.3	28.5	67.0	1.0	4.4	34.6
NEW ENGLAND DIVISION	15	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	5	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MIDDLE ATLANTIC DIVISION	178	47	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEW YORK	163	41	2.8	13.8	2.4	4.6	9.4	28.0	20.8	48.7	.5	2.9	22.6
NEW JERSEY	11	4	.3	1.5	.3	.5	1.2	2.2	1.7	3.9	(Z)	(D)	(D)
PENNSYLVANIA[e]	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	15	6	.4	2.0	.3	.5	1.1	3.4	3.7	7.1	(D)	.7	4.6
WEST NORTH CENTRAL DIVISION	10	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
IOWA	9	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	3.5
SOUTH REGION	16	4	.3	1.5	.3	.6	1.1	2.9	3.0	5.9	.2	(D)	(D)
SOUTH ATLANTIC DIVISION	12	4	.3	1.5	.3	.6	1.1	2.8	2.9	5.7	.2	.4	3.9
VIRGINIA	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3964-- NEEDLES, PINS, AND FASTENERS													
UNITED STATES	289	138	19.2	101.1	15.9	31.8	70.5	218.1	168.5	385.3	15.3	20.3	190.9
NORTHEAST REGION	226	101	11.8	67.2	9.5	19.2	45.3	113.6	91.7	205.7	7.1	15.0	127.5
NEW ENGLAND DIVISION	48	30	4.4	27.8	3.5	6.9	18.3	46.9	27.4	74.3	4.0	5.7	56.2
MASSACHUSETTS	9	4	.3	1.9	.2	.5	1.4	4.0	2.2	6.3	(D)	.4	4.5
RHODE ISLAND	7	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CONNECTICUT	29	21	3.1	20.9	2.6	5.2	14.1	34.4	17.8	52.1	2.2	4.3	44.6
MIDDLE ATLANTIC DIVISION	178	71	7.4	39.4	6.0	12.3	27.0	66.6	64.3	131.5	3.1	9.3	71.4
NEW YORK	163	62	4.8	23.3	4.2	8.6	17.5	45.4	48.5	94.1	1.5	6.1	45.9
NEW JERSEY	11	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CENTRAL REGION	22	11	1.8	8.8	1.4	2.8	5.6	19.2	13.9	32.9	1.1	2.1	21.1
EAST NORTH CENTRAL DIVISION	15	8	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ILLINOIS	9	7	.9	4.5	.6	1.2	2.5	8.3	6.7	14.7	.2	.9	8.0
WEST NORTH CENTRAL DIVISION	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
NEBRASKA	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH REGION	31	19	5.0	22.2	4.5	9.1	17.9	79.8	58.0	136.6	6.8	2.7	37.6
SOUTH ATLANTIC DIVISION	23	12	3.7	16.3	3.4	6.7	13.2	48.0	39.9	86.5	(D)	(D)	(D)
VIRGINIA	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
SOUTH CAROLINA	5	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	7	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	6	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KENTUCKY	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TENNESSEE	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MISSISSIPPI	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST REGION	10	7	.5	2.9	.4	.8	1.7	5.5	5.0	10.1	.4	.5	4.7
PACIFIC DIVISION	8	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	8	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967

Item	Pens and mechanical pencils (SIC 3951)	Lead pencils and art goods (SIC 3952)	Marking devices (SIC 3953)	Carbon paper and inked ribbons (SIC 3955)	Costume jewelry (SIC 3961)	Artificial flowers (SIC 3962)	Buttons (SIC 3963)	Needles, pins and fasteners (SIC 3964)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.93	.85	.90	.94	.95	.97	.97	.93
COVERAGE RATIO[2]	.92	.93	.91	.79	.92	.85	.90	.89
ESTABLISHMENTS, TOTAL .NUMBER	119	131	602	107	764	321	234	289
WITH 1 TO 19 EMPLOYEES .DO	58	72	493	44	558	242	172	151
WITH 20 TO 99 EMPLOYEES .DO	36	40	95	44	161	74	53	91
WITH 100 EMPLOYEES OR MORE .DO	25	19	14	19	45	5	9	47
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	11.8	7.9	8.5	6.5	22.4	5.2	4.8	19.2
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	62.8	42.2	53.3	41.8	106.9	20.2	23.7	101.1
PRODUCTION WORKERS:								
AVERAGE FOR YEAR 1,000	9.2	6.0	5.8	4.4	19.4	4.6	4.1	15.9
MARCH .DO	8.9	6.1	5.8	4.4	17.7	3.7	4.1	15.6
MAY .DO	9.2	6.2	5.8	4.4	18.4	4.4	4.1	15.7
AUGUST .DO	9.2	6.0	5.8	4.5	20.2	5.2	4.2	16.1
NOVEMBER .DO	9.7	5.8	5.9	4.4	21.1	5.1	4.2	16.0
MAN-HOURS .MILLIONS	18.1	12.0	11.1	9.0	36.7	7.9	8.0	31.8
JANUARY-MARCH .DO	4.4	3.0	2.8	2.2	8.8	1.8	2.0	7.9
APRIL-JUNE .DO	4.7	3.1	2.7	2.3	8.8	1.7	2.0	8.1
JULY-SEPTEMBER .DO	4.2	3.0	2.7	2.2	9.2	2.3	2.0	7.8
OCTOBER-DECEMBER .DO	4.7	2.9	2.8	2.3	9.8	2.1	2.0	8.0
WAGES MILLION DOLLARS	38.6	24.7	29.2	23.8	73.8	14.8	16.8	70.5
COST OF MATERIALS, ETC., TOTAL .DO	74.2	80.5	50.4	113.2	160.5	41.4	35.5	168.5
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	70.6	68.4	39.4	98.9	125.5	36.5	31.0	153.6
COST OF RESALES .DO	1.0	8.4	8.5	12.7	17.0	3.8	1.6	8.8
FUELS CONSUMED .DO	.2	.5	.4	.5	.5	.2	.2	.7
PURCHASED ELECTRIC ENERGY .DO	1.1	.7	.9	.9	1.2	.3	.7	2.1
CONTRACT WORK .DO	1.3	2.5	1.2	.2	16.2	.5	1.9	3.2
VALUE OF SHIPMENTS, INCLUDING RESALES .DO	211.8	158.9	146.3	206.8	376.5	84.7	80.8	385.3
VALUE OF RESALES .DO	1.6	12.3	12.5	18.8	42.4	7.3	2.7	10.2
VALUE ADDED BY MANUFACTURE .DO	140.5	79.8	98.1	93.8	220.5	43.3	46.1	218.1
MANUFACTURERS' INVENTORIES:								
BEGINNING OF YEAR, TOTAL .DO	32.7	33.7	16.5	30.2	42.7	10.7	10.5	59.5
FINISHED PRODUCTS .DO	7.6	13.9	7.0	9.3	17.2	5.1	6.0	21.2
WORK IN PROCESS .DO	11.4	5.8	1.9	5.6	13.6	.8	2.0	20.5
MATERIALS, SUPPLIES, FUEL, ETC. .DO	13.8	13.9	7.6	15.3	11.9	4.7	2.5	17.9
END OF YEAR, TOTAL .DO	37.7	36.4	17.8	30.9	48.5	11.2	12.2	61.4
FINISHED PRODUCTS .DO	8.2	15.4	7.6	8.6	20.6	5.0	6.1	20.9
WORK IN PROCESS .DO	13.7	5.7	3.6	6.5	14.7	.9	2.7	21.9
MATERIALS, SUPPLIES, FUEL, ETC. .DO	15.9	15.3	6.6	15.8	13.2	5.3	3.5	18.6
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	7.0	4.6	7.0	5.5	5.0	.8	1.4	15.7
NEW PLANT AND EQUIPMENT, TOTAL .DO	6.8	4.6	6.4	5.3	4.4	.7	1.2	15.3
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	.9	2.1	3.5	.7	1.2	.3	.2	2.7
NEW MACHINERY AND EQUIPMENT .DO	5.9	2.5	2.9	4.5	3.2	.5	1.1	12.6
USED PLANT AND EQUIPMENT .DO	.1	(Z)	.5	.2	.6	(Z)	.1	.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3951-- PENS AND MECHANICAL PENCILS											
ESTABLISHMENTS, TOTAL	119	11.8	62.8	9.2	18.1	38.6	140.5	74.2	211.8	6.8	37.7
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	36	.1	.3	.1	.1	.2	.7	.7	1.4	(Z)	.2
5 TO 9 EMPLOYEES	12	.1	.6	.1	.1	.5	1.2	1.4	2.7	(D)	.1
10 TO 19 EMPLOYEES	10	.1	.6	.1	.2	.4	5.5	2.2	7.6	.1	.3
20 TO 49 EMPLOYEES	20	.7	3.1	.6	1.1	2.2	5.4	5.1	10.5	.4	1.3
50 TO 99 EMPLOYEES	16	1.1	5.7	1.0	1.8	3.8	13.4	11.1	24.5	.5	3.3
100 TO 249 EMPLOYEES	14	2.2	11.0	1.8	3.8	7.9	18.1	18.3	37.0	1.0	5.0
250 TO 499 EMPLOYEES	5	1.8	7.5	1.6	2.9	5.5	15.6	10.8	26.0	.6	4.6
500 TO 999 EMPLOYEES	3	1.7	8.4	1.4	2.8	5.3	30.3	9.3	38.1	2.5	7.8
1,000 TO 2,499 EMPLOYEES	3	4.0	25.5	2.7	5.3	12.9	50.1	15.3	63.9	1.7	15.2
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	38	.1	.3	.1	.1	.3	.8	.9	1.7	(Z)	.2
3952-- LEAD PENCILS AND ART GOODS											
ESTABLISHMENTS, TOTAL	131	7.9	42.2	6.0	12.0	24.7	79.8	80.5	158.9	4.6	36.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	38	.1	.3	.1	.1	.2	.8	.7	1.4	-	.2
5 TO 9 EMPLOYEES	15	.1	.7	.1	.1	.4	1.3	1.3	2.6	(Z)	.2
10 TO 19 EMPLOYEES	19	.3	1.5	.2	.4	.9	2.9	3.2	6.1	(D)	.7
20 TO 49 EMPLOYEES	21	.7	3.5	.5	1.0	2.0	7.5	6.3	13.7	.1	2.1
50 TO 99 EMPLOYEES	19	1.3	6.2	1.1	2.2	4.2	12.1	14.7	26.7	2.7	6.1
100 TO 249 EMPLOYEES	9	1.3	5.5	1.1	2.2	3.9	10.7	11.3	21.9	.3	4.6
250 TO 499 EMPLOYEES	6	2.0	11.9	1.3	2.6	5.7	19.9	25.0	44.5	.6	9.5
500 TO 999 EMPLOYEES	4	2.2	12.7	1.7	3.4	7.5	24.6	17.9	42.0	.8	13.0
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	41	.1	.4	.1	.1	.3	1.1	.9	2.0	(Z)	.4
3953-- MARKING DEVICES											
ESTABLISHMENTS, TOTAL	602	8.5	53.3	5.8	11.1	29.2	98.1	50.4	146.3	6.4	17.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	299	.5	2.5	.5	.7	1.5	7.0	3.2	10.2	(Z)	.8
5 TO 9 EMPLOYEES[e]	97	.6	3.7	.5	.8	2.3	7.1	3.0	10.0	.2	.6
10 TO 19 EMPLOYEES	97	1.3	8.2	.9	1.7	4.8	13.8	6.2	19.8	.6	1.5
20 TO 49 EMPLOYEES	73	2.1	13.4	1.4	2.8	7.6	23.4	9.9	33.1	.6	2.7
50 TO 99 EMPLOYEES	22	1.5	8.7	1.0	1.9	5.2	15.2	8.4	23.4	.4	2.7
100 TO 249 EMPLOYEES	12	2.5	16.8	1.7	3.2	7.8	31.7	19.8	49.9	4.6	9.6
250 TO 499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	315	.7	3.3	.7	.9	2.0	8.4	3.9	12.3	(Z)	1.0
3955-- CARBON PAPER AND INKED RIBBONS											
ESTABLISHMENTS, TOTAL	107	6.5	41.8	4.4	9.0	23.8	93.8	113.2	206.8	5.3	30.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	26	.1	.4	.1	.1	.2	.6	.9	1.6	(Z)	.2
5 TO 9 EMPLOYEES	7	(Z)	.3	(Z)	.1	.2	.6	.9	1.5	(D)	.2
10 TO 19 EMPLOYEES	11	.1	.8	.1	.2	.6	2.0	2.6	4.6	.4	.5
20 TO 49 EMPLOYEES	25	.9	5.8	.7	1.3	3.4	12.0	17.7	29.4	2.1	3.4
50 TO 99 EMPLOYEES	19	1.3	8.8	.9	2.0	5.0	20.3	27.0	46.5	1.1	5.8
100 TO 249 EMPLOYEES	12	1.7	10.5	1.2	2.3	6.0	28.2	27.7	55.8	.6	9.5
250 TO 499 EMPLOYEES	6	2.3	15.3	1.4	3.1	8.4	30.1	36.5	67.5	1.0	11.3
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3961-- COSTUME JEWELRY											
ESTABLISHMENTS, TOTAL	764	22.4	106.9	19.4	36.7	73.8	220.5	160.5	376.5	4.4	48.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e]	318	.6	2.3	.6	.9	1.8	8.1	6.5	14.5	.2	1.3
5 TO 9 EMPLOYEES[e]	115	.8	3.1	.7	1.2	2.4	6.8	6.2	13.0	.2	1.0
10 TO 19 EMPLOYEES	125	1.7	7.6	1.4	2.7	5.5	14.3	13.9	28.0	.4	2.3
20 TO 49 EMPLOYEES	106	3.2	13.3	2.7	5.0	10.0	29.4	31.4	60.2	.7	5.4
50 TO 99 EMPLOYEES	55	4.0	16.5	3.4	6.7	11.8	30.4	24.5	54.0	.7	5.6
100 TO 249 EMPLOYEES	30	4.5	19.1	3.9	7.5	13.7	37.4	26.7	63.6	1.2	7.0
250 TO 499 EMPLOYEES	9	3.0	16.1	2.4	4.6	10.7	26.2	17.2	43.7	.3	6.2
500 TO 999 EMPLOYEES	4	4.8	28.9	4.2	8.0	18.0	67.8	34.2	99.5	.7	19.6
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[1,e]	377	1.1	4.2	1.1	1.8	3.3	11.8	9.5	21.3	.4	1.9

See footnotes at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967--Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3962-- ARTIFICIAL FLOWERS											
ESTABLISHMENTS, TOTAL.	321	5.2	20.2	4.6	7.9	14.8	43.3	41.4	84.7	.7	11.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	152	.2	.9	.2	.4	.7	2.3	2.3	4.6	(Z)	.6
5 TO 9 EMPLOYEES[e].	51	.4	1.5	.3	.5	1.1	2.8	2.4	5.2	(D)	.6
10 TO 19 EMPLOYEES	39	.5	2.1	.4	.8	1.4	5.4	4.0	9.3	(Z)	.8
20 TO 49 EMPLOYEES	55	1.7	6.8	1.5	2.6	5.0	14.0	14.1	28.3	.4	3.6
50 TO 99 EMPLOYEES	19	1.4	5.7	1.2	2.2	4.2	10.5	11.2	21.6	.1	3.1
100 TO 249 EMPLOYEES[e].	3	1.0	3.2	.9	1.4	2.4	8.4	7.5	15.8	.1	2.4
250 TO 499 EMPLOYEES.	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	171	.4	1.4	.4	.6	1.0	3.3	2.8	6.1	(Z)	.8
3963-- BUTTONS											
ESTABLISHMENTS, TOTAL.	234	4.8	23.7	4.1	8.0	16.8	46.1	35.5	80.8	1.2	12.2
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	80	.1	.6	.1	.2	.4	1.6	1.1	2.7	(Z)	.3
5 TO 9 EMPLOYEES[e].	52	.3	1.7	.3	.6	1.2	3.7	2.8	6.5	(D)	.6
10 TO 19 EMPLOYEES	40	.6	2.6	.5	.9	1.9	4.9	3.1	8.0	.1	1.1
20 TO 49 EMPLOYEES	34	1.1	4.8	.9	1.7	3.4	8.3	7.0	15.9	.2	1.8
50 TO 99 EMPLOYEES	19	1.3	6.1	1.1	2.2	4.6	11.9	9.3	20.4	.4	3.5
100 TO 249 EMPLOYEES	9	1.5	8.0	1.2	2.4	5.3	15.7	12.2	27.4	.6	4.9
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	102	.3	1.3	.3	.5	.9	2.9	1.8	4.7	(Z)	.6
3964-- NEEDLES, PINS, AND FASTENERS											
ESTABLISHMENTS, TOTAL.	289	19.2	101.1	15.9	31.8	70.5	218.1	168.5	385.3	15.3	61.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES[e].	75	.1	.6	.1	.2	.5	1.2	1.9	3.1	(Z)	.4
5 TO 9 EMPLOYEES[e].	34	.2	1.1	.2	.4	.8	2.4	2.5	4.9	.1	.5
10 TO 19 EMPLOYEES	42	.6	2.5	.5	1.0	1.8	4.7	5.7	10.3	.9	.8
20 TO 49 EMPLOYEES	61	1.9	9.6	1.7	3.4	7.0	18.0	21.8	39.9	1.0	3.9
50 TO 99 EMPLOYEES	30	2.1	11.1	1.8	3.7	8.0	22.3	18.6	40.4	1.1	5.9
100 TO 249 EMPLOYEES	27	4.5	24.3	3.7	7.6	17.1	49.6	42.1	90.2	5.8	16.7
250 TO 499 EMPLOYEES	13	4.4	20.5	3.7	7.4	14.8	71.1	49.6	120.8	2.7	13.4
500 TO 999 EMPLOYEES	6	5.3	31.3	4.0	8.1	20.5	48.8	26.2	75.7	3.7	19.7
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN.RECORDS[1 e]	88	.3	1.1	.3	.4	.8	2.8	2.5	5.2	(Z)	.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e]Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1]Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3951	Pens and mechanical pencils.....1967..	211.8	193.1	14.9	3.7	93	210.8	193.1	17.7	92
	1963..	185.5	164.7	17.6	3.2	90	177.7	164.7	13.1	93
3952	Lead pencils and art goods.....1967..	158.9	123.7	22.3	12.9	85	133.2	123.7	9.6	93
	1963..	121.6	96.5	14.4	10.7	87	107.5	96.5	11.1	90
3953	Marking devices.....1967..	146.3	118.9	13.3	14.2	90	130.8	118.9	11.9	91
	1963..	126.8	96.0	18.8	12.0	84	107.1	96.0	11.1	90
3955	Carbon paper and inked ribbons.....1967..	206.8	175.9	11.3	19.6	94	221.5	175.9	45.5	79
	1963..	155.5	133.3	7.1	15.1	95	161.3	133.3	28.0	83
3961	Costume jewelry.....1967..	376.5	309.9	16.4	50.2	95	338.2	309.9	28.3	92
	1963..	280.5	243.1	12.7	24.7	95	256.7	243.1	13.6	95
3962	Artificial flowers.....1967..	84.7	73.5	2.2	8.9	97	86.3	73.5	12.8	85
	1963..	60.4	52.6	1.8	6.0	97	59.3	52.6	6.7	87
3963	Buttons.....1967..	80.8	75.3	2.7	2.8	97	83.8	75.3	8.5	90
	1963..	81.8	71.1	3.3	7.4	96	81.9	71.1	10.7	87
3964	Needles, pins, and fasteners.....1967..	385.3	341.6	24.3	19.5	93	381.4	341.6	39.8	89
	1963..	337.3	290.0	28.9	18.4	91	315.2	290.0	25.2	92

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Pens, and mechanical pencils (SIC 3951)	Lead pencils and art goods (SIC 3952)	Marking devices (SIC 3953)	Carbon paper and inked ribbons (SIC 3955)	Costume jewelry and notions (SIC 3961)	Artificial flowers (SIC 3962)	Buttons (SIC 3963)	Needles pins and fasteners (SIC 3964)	Other industries
	Total shipments and miscellaneous receipts...	(X)	211.8	158.9	146.3	206.8	376.5	84.7	80.8	385.3	(X)
3951-	Pens and mechanical pencils...	210.8	193.1	8.0	(2-5)	(under 2)	(under 2)	-	-	-	(5-10)
3952-	Lead pencils and art goods....	133.2	(under 2)	123.7	(under 2)	-	-	-	-	-	(5-10)
39521	Lead pencils and crayons....	73.6	(D)	71.6	(D)	-	-	-	-	-	(D)
39522	Artists' materials.....	53.8	-	46.4	(D)	-	-	-	-	-	(D)
39520	Lead pencils and art goods, n.s.k.....	5.8	-	5.7	-	-	-	-	-	-	(Z)
3953-	Hand stamps, stencils, and other marking devices.....	130.8	(under 2)	(2-5)	118.9	-	-	-	-	-	7.0
3955-	Carbon paper, stencil paper, and inked ribbons.....	221.5	-	-	-	175.9	-	-	-	-	45.5
3961-	Costume jewelry and costume novelties, except precious metal.....	338.2	-	-	-	-	309.9	(under 2)	-	(under 2)	27.7
3962-	Artificial flowers.....	86.3	-	-	-	-	-	73.5	-	-	12.8
3963-	Buttons and parts (except of precious or semi-precious metals or stone).....	83.8	-	-	-	-	-	-	75.3	3.8	4.7
3964-	Needles, pins, and fasteners..	381.4	-	-	-	-	(under 2)	-	(under 2)	341.6	37.4
39641	Zippers and slide fasteners.	201.5	-	-	-	-	-	-	(D)	195.1	(D)
39642	Needles, pins, fasteners (except slide), and similar notions.....	153.8	-	-	-	-	(D)	-	(D)	122.1	(D)
39640	Needles, pins, and fasteners, n.s.k.....	26.1	-	-	-	-	-	-	-	24.4	1.7
	Other product shipments by 4-digit product code										
2339-	Womens' and misses' outerwear, n.e.c.....	(X)	-	-	-	-	-	(under 2)	-	(over 2)	(X)
2641-	Coated and glazed paper.....	(X)	-	-	(under 2)	(2-5)	-	-	-	-	(X)
2649-	Converted paper products, n.e.c.....	(X)	-	-	(under 2)	(2-5)	-	-	-	-	(X)
3481-	Miscellaneous fabricated wire products.....	(X)	-	-	-	-	-	-	-	(over 2)	(X)
3634-	Electrical housewares and fans	(X)	-	-	-	-	-	-	-	(over 2)	(X)
3961-	Jewelry, precious metal.....	(X)	-	-	-	-	8.7	-	-	-	(X)
3991-	Brooms and brushes.....	(X)	-	(over 2)	-	-	-	-	-	(under 2)	(X)
3999-	Manufactures, n.e.c.....	(X)	(over 2)	(under 2)	(under 2)	-	(under 2)	0.5	-	6.3	(X)
	Other product shipments[1].....	(X)	14.9	14.3	13.3	11.3	7.8	1.7	2.7	14.2	(X)
	Miscellaneous receipts, total.	(X)	3.7	12.9	14.2	19.6	50.2	8.9	2.8	19.5	(X)
93000	Contract work.....	(X)	0.6	0.5	1.0	0.8	5.6	1.5	0.1	2.7	(X)
99980	Sale of scrap and refuse....	(X)	(X)	(X)	(X)	(X)	1.9	(Z)	(Z)	1.8	(X)
99980	Other miscellaneous receipts including receipts for repair work.....	(X)	1.6	0.2	0.6	(Z)	0.3	(Z)	(Z)	4.8	(X)
99989	Resales.....	(X)	1.6	12.3	12.5	18.8	42.4	7.3	2.7	10.2	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products	
3951-	2752 Commercial printing, lithographic.....	2.3
3952-	3941 Games and toys.....	(over 2)
3953-	2752 Commercial printing, lithographic.....	3.0
3955-	2645 Die-cut paper and board.....	(over 2)
3955-	2752 Commercial printing, lithographic.....	(over 2)
3955-	2761 Manifold business forms.....	7.2
3955-	3572 Typewriters.....	(over 2)
3955-	3579 Office machines, n.e.c.....	14.3
3961-	3911 Jewelry, precious metal.....	23.5
3962-	2591 Venetian blinds and shades.....	(over 2)
3962-	3569 General industrial machinery, n.e.c.....	(over 2)
3962-	3599 Miscellaneous machinery, except electrical.....	(over 2)
3964-	3429 Hardware, n.e.c.....	5.7
3964-	3452 Bolts, nuts, rivets, and washers.....	(over 2)
3964-	3461 Metal stampings.....	17.5

Note: Data shown parenthetically above are expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand.

[1] Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3951- --	PENS AND MECHANICAL PENCILS, TOTAL	.....	(X)	210.8	(X)	177.7
	Pens:					
	Fountain pens, complete (all types, except ball point) (retail price):					
39510 01	$1.00 each and under	million units.	27.0	20.2	42.8	8.3
39510 05	$1.01 to $5.00 each	...do.....			6.5	8.3
39510 06	Over $5.00 each	...do.....			2.5	9.5
	Ball point type pens, complete (retail price):					
39510 11	$0.20 each and under	...do.....	541.3	32.4	674.2	55.3
39510 12	$0.21 to $0.30 each	...do.....	174.9	20.1		
39510 15	$0.31 to $0.50 each	...do.....	144.0	18.8		
39510 16	$0.51 to $1.00 each	...do.....	18.9	5.8	63.3	26.2
39510 17	$1.01 to $2.00 each	...do.....	22.4	12.7		
39510 18	$2.01 and over	...do.....	5.8	12.6		
	Soft tip pens (fine point marker):					
39510 21	Fibre-tipped	...do.....	54.0	9.1	(NA)	(NA)
39510 23	Porous-tipped	...do.....	45.7	6.1		
39510 29	Other	...do.....	(X)	0.3		
39510 41	Desk pen sets, including fountain pen type, ball point type, and inkwell reservoir (dip) type	...do.....	5.0	7.6	5.0	2.8
	Mechanical pencils (retail price)					
39510 53	$0.50 each and under	...do.....	38.1	7.0	35.7	5.5
39510 55	Over $0.50 each	...do.....	9.2	9.7	18.2	9.2
39510 63	Miscellaneous pen and mechanical pencil parts, for sale separately, such as pen holders, pen points (all types), renewal parts, etc	.....	(X)	24.3	(X)	24.5
39510 71	Refill ink cartridges for ball point pens	.....	(NA)	13.0	(NA)	20.4
39510 00	Pens, pen points, fountain pens, ball point pens, mechanical pencils and parts, n.s.k. (For establishment with 10 or more employees. See Note.)	.....	(X)	9.4	(X)	7.8
39510 02	Pens, pen points, fountain pens, ball point pens, mechanical pencils and parts, n.s.k. (For establishments with less than 10 employees. See Note.)	.....	(X)	1.7		
3952- --	LEAD PENCILS AND ART GOODS, TOTAL	.....	(X)	133.2	(X)	107.5
39521 --	Lead pencils and crayons, total	.....	(X)	73.6	(X)	65.3
	Nonmechanical pencils, and pencil leads:					
	Pencils:					
39521 11	Black lead	Million gross..	15.4	38.2	11.1	31.3
39521 15	Other (indelible, colored, etc.)	...do.....	1.5	7.2	1.4	9.0
39521 23	Pencil leads, including refill leads for mechanical pencils, for sale separately	.....	(X)	5.5	(X)	7.0
39521 52	Crayons, except artists' and tailors'	.....	(X)	20.4	(X)	17.8
39521 54	Chalk, except artists' and tailors'	.....	(X)	2.0		
39521 00	Lead pencils and crayons, n.s.k	.....	(X)	0.3	(X)	0.3
39522 11	Artists' materials, including airbrushes, drawing tables and boards, palettes, sketch boxes, pantographs, artists' colors and waxes, pyrography goods, drawing inks, and materials	.....	(X)	53.8	(X)	40.3
39520 00	Lead pencils, and art goods, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	3.8	(X)	1.9
39520 02	Lead pencils and art goods, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	2.0		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3953- --	MARKING DEVICES, TOTAL	.....	(X)	130.8	(X)	107.1
39530 --	Hand stamps, stencils, and other marking devices:					
	Rubber stamps:					
39530 13	Hand stamps	.....	(X)	24.7	(X)	19.2
39530 15	Permanently-inked stamps	.....	(X)	1.5		
39530 31	Metal stamps, marking dies, and seals, including handpresses for seals and marking dies	.....	(X)	27.2	(X)	22.3
39530 43	Broad line markers, including felt-tipped, fibre-tipped and porous-tipped	Million units.	(NA)	15.5	(NA)	[1]12.9
39530 98	Other marking devices, such as stencils, letters, figures and numerals, stamp pads, branding irons, etc	.....	(X)	33.5	(X)	37.1
39530 00	Hand stamps, stencils, and other marking devices, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	16.1	(X)	15.6
39530 02	Hand stamps, stencils, and other marking devices, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	12.3		
3955- --	CARBON PAPER AND INKED RIBBONS, TOTAL	.....	(X)	221.5	(X)	161.3
	Inked ribbons:					
39550 12	Typewriter fabric ribbons	Million doz...	(NA)	24.0	3.5	24.0
39550 14	Typewriter film ribbons	...do.....	(NA)	18.5		
39550 17	Computer (electronic data processing) ribbons	...do.....	(NA)	10.2	1.4	17.0
39550 19	Other inked ribbons	...do.....	(NA)	15.9		
	Coated carbon paper (in roll and sheet):					
39550 31	One time	1,000 tons....	88.2	55.9	(NA)	36.5
39550 35	Other than one time	...do.....	(NA)	35.0	(NA)	36.4
39550 61	Stencil paper spirit, and gelatin process master copies (include master sets)	.....	(X)	26.3	(X)	19.0
39550 98	All other, including mimeograph stencil paper	.....	(X)	24.9	(X)	25.6
39550 00	Carbon paper and inked ribbons, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	9.8	(X)	2.7
39550 02	Carbon paper and inked ribbons, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	1.0		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3961- --	COSTUME JEWELRY, TOTAL	338.2	256.7
39610 --	Costume jewelry and costume novelties, except precious metal:		
	Base metal, whether or not electroplated with gold, silver, chromium, etc:		
39610 11	Rings and ring mountings	([2])	2.1
39610 21	Men's jewelry (excluding watch attachments and rings)	42.1	33.5
39610 31	Women's and children's jewelry and costume novelties (excluding watch attachments and rings)	103.7	97.8
39610 41	Watch attachments (bracelets for watches)	20.9	14.6
39610 51	Fraternal, college, and school jewelry and emblems, including military insignia (excluding rings)	24.8	10.3
39610 61	Religious jewelry, such as rosaries, chaplets, religious medals, crosses, etc	4.4	5.5
39610 71	Other jewelry worn or carried about the person, except cigar and cigarette cases and lighters, compacts, and vanity cases	5.1	6.0
39610 81	Imitation pearls (including necklaces) made of glass, plastic or other materials	11.4	21.3
39610 91	Compacts and vanity cases, except precious metals and all leather	10.2	9.5
39610 98	Other costume jewelry and costume novelties made of plastics, wood, leather, etc	[2]47.1	21.0
39610 00	Costume jewelry, n.s.k. (For companies with 10 or more employees)	47.2	35.1
39610 02	Costume jewelry, n.s.k. (For companies with less than 10 employees)	21.3	

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3962- --	FEATHERS, PLUMES, AND ARTIFICIAL FLOWERS (EXCEPT GLASS), TOTAL	86.3	59.3
39620 13	Artificial Christmas trees, all types (metal, plastic, etc.)	33.1	59.3
	Artificial flowers:		
39620 15	Plastic type	18.3	
39620 17	Other materials	14.1	
39620 21	Feathers and plumes	4.2	
39620 00	Feathers, plumes, and artificial flowers, n.s.k. (For companies with 10 or more employees. See Note.)	10.4	
39620 02	Feathers, plumes, and artificial flowers, n.s.k. (For companies with less than 10 employees. See Note.)	6.1	

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3963- --	BUTTONS	...	(X)	83.8	(X)	81.9
	Buttons and parts, except of precious or semiprecious metals and precious or semiprecious stones:					
	Metal:					
39630 11	Sew-on type	Million gross.	(NA)	12.6	(NA)	8.0
39630 15	Other metal buttons, including mechanically applied types, etc.	...do...	(NA)	6.0	(NA)	4.6
	Plastic:					
39630 21	Casein and casein compound	...do...	(NA)	6.7	3.8	5.0
	Other plastics:					
39630 41	Polyester	...do...	84.4	21.7	97.5	35.4
39630 23	Thermosetting (excluding polyester)	...do...	(NA)	6.0		
39630 25	Thermoplastic (including acrytic)	...do...	(NA)	1.9		
39630 61	Button blanks or molds, backs, and parts for sale as such	...	(X)	6.7	(X)	11.0
39630 98	Other buttons, fabric covered, wood, bone, and hoof, vegetable ivory, leather, and pearl or shell, etc	...	(X)	4.4	(X)	7.2
39630 00	Buttons, n.s.k. (For companies with 10 or more employees. See Note.)	...	(X)	13.1	(X)	10.6
39630 02	Buttons, n.s.k. (For companies with less than 10 employees. See Note.)	...	(X)	4.7		
3964- --	NEEDLES, PINS, AND FASTENERS	...	(X)	381.4	(X)	315.2
39641 --	Zippers or slide fasteners (each 12 inches is one unit when sold in continuous chain)	...	(X)	201.5	(X)	143.2
39641 21	Nylon and other plastics	Million units..	1,268.5	81.9	2,223.4	143.2
	Metal:					
39641 31	Aluminum	...do...	1,066.1	45.8		
39641 33	Brass	...do...	786.0	57.8		
39641 39	Other	...do...	(NA)	14.9		
39641 00	Zippers and slide fasteners, n.s.k.	...	(X)	1.1	-	-
39642 --	Needles, pins, fasteners (except slide), and similar notions	...	(X)	153.8	(X)	155.7
	Snap fasteners:					
39642 11	Sew-on type	Great gross....	230,197.0	1.0	(NA)	1.0
39642 19	Other snap fasteners (such as 4-part, riveted, or mechanically applied type, etc.)	...	(NA)	30.0	(NA)	18.6
39642 21	Metal buckles for wearing apparel, including those covered with fabric or other material, but excluding costume jewelry	...	(X)	12.4	(X)	14.7
39642 31	Other fasteners, buckles (except shoe) and apparel trimming (hooks and eyes, rivets and burrs, trimming, plastic buckles, etc.)	...	(X)	19.5	(X)	28.7
39642 41	Tape (hook and eye and snap) fasteners	1,000 gross yds.....	141.0	5.4	193.8	7.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3964- --	NEEDLES, PINS, AND FASTENERS--Continued					
39642 --	Needles, pins, fasteners (except slide), and simmilar--Continued					
39642 51	Hair curlers (except rubber, and except those designed for beauty parlor use)	.....	(NA)	29.3	(NA)	31.6
	Needles, except hypodermic, phonograph, and styli:					
39642 65	Sewing machine (household and industrial dry-thread)	1,000.....	(NA)	22.4	(NA)	22.3
39642 69	Other needles, except phonograph needles and styli (including shoe machine, hand sewing, hand knitting, crocheting, darning, etc.)	.....				
	Pins (except jewelry):					
39642 81	Common or toilet, including dressmakers' pins	1,000 lbs.....	4,427.3	9.5	2,736.0	5.0
39642 83	Hair pins, metal "bobby" type	...do.....	6,017.7	9.1	7,134.2	7.9
39642 87	Safety pins	Million gross..	14.3	4.5	10.8	3.4
39642 89	Other pins, hat pins, glasshead pins, plastic, and metal hairpins other than metal bobby type, etc	...do.....	(NA)	6.0	(X)	5.2
39642 00	Needles, pins, fasteners (except slide) and similar notions, n.s.k.	.....	(X)	4.5	(X)	10.2
39640 00	Needles, pins, fasteners, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	20.9	(X)	16.3
39640 02	Needles, pins, and fasteners, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	5.2		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]Represents felt-tipped markers.

[2]1967 data for product code 39610 11, "Base metal rings and ring mountings" are included with product code 39610 98, "Other costume jewelry, etc."

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
LEAD PENCILS AND CRAYONS (39521)		
United States	73.6	69.2
Northeast Region	FF	(D)
New England Div.	CC	(D)
Connecticut	CC	(1)
Middle Atlantic Div.	29.3	29.6
New York	BB	5.4
New Jersey	9.7	9.6
Pennsylvania	EE	14.7
North Central Region	6.9	9.6
East North Central Div.	2.6	6.2
Ohio	AA	(1)
West North Central Div.	4.3	3.4
Missouri	AA	(1)
Kansas	AA	(1)
South Region	27.2	19.1
South Atlantic Div.	BB	(D)
Georgia	BB	(1)
East South Central Div.	FF	(D)
Kentucky	AA	(1)
Tennessee	FF	(1)
ZIPPERS AND SLIDE FASTENERS (39641)		
United States	201.5	143.2
Northeast Region	94.6	86.7
New England Div.	6.3	6.5
Rhode Island	BB	(1)
Connecticut	AA	(1)
Middle Atlantic Div.	88.4	80.2
New York	GG	53.4
New Jersey	CC	(1)
Pennsylvania	EE	(1)
North Central Region	BB	(D)
West North Central Div.	BB	(D)
Missouri	AA	(1)
South Region	101.3	(D)
South Atlantic Div.	GG	52.9
Virginia	CC	(1)
North Carolina	EE	(1)
South Carolina	CC	(1)
Georgia	FF	(1)
ZIPPERS AND SLIDE FASTENERS (39641)--Con.		
South Region--Con.		
East South Central Div.	FF	(D)
Mississippi	FF	(1)
West South Central Div.	AA	(D)
Texas	AA	(1)
West Region	BB	(D)
Pacific Div.	BB	(D)
California	BB	(D)
NEEDLES, FASTENERS (EXCLUDING SLIDE), SIMILAR NOTIONS (39642)		
United States	153.8	155.7
Northeast Region	106.2	118.3
New England Div.	81.0	82.0
Massachusetts	EE	12.5
Rhode Island	CC	(1)
Connecticut	56.8	62.4
Middle Atlantic Div.	25.2	36.2
New York	11.1	23.8
New Jersey	CC	(1)
Pennsylvania	BB	(1)
North Central Region	23.3	26.5
East North Central Div.	EE	(D)
Illinois	CC	(1)
Wisconsin	AA	(1)
West North Central Div.	EE	(D)
Nebraska	EE	(1)
South Region	FF	(D)
South Atlantic Div.	EE	(D)
North Carolina	AA	(D)
South Carolina	CC	(1)
Georgia	CC	(1)
East South Central Div.	CC	(D)
Kentucky	BB	(1)
Tennessee	BB	(D)
West Region	BB	(D)
Pacific Div.	BB	(D)
California	BB	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes- Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
39510	Pens, mechanical pencils, and pen points	210.8	203.0	191.4	181.7	177.7	147.2	118.1	137.6
3952-	Lead pencils and art goods	133.2	131.8	119.9	113.2	107.5	89.4	76.9	59.5
39521	Lead pencils and crayons	73.6	84.2	78.3	72.4	65.3	65.3	51.0	45.5
39522	Artists' materials	53.8	(45.3)	39.9	39.8	40.3	24.1	25.9	14.0
39520	Lead pencils and art goods, n.s.k.	5.8	2.3	1.7	(0.9)	1.9	-	-	-
39530	Hand stamps, stencils, and other marking devices	130.8	136.9	117.8	117.3	107.1	58.7	47.7	26.9
39550	Carbon paper, stencil paper, and inked ribbons	221.5	213.5	191.8	175.6	161.3	119.1	91.0	49.1
39610 39620	Costume jewelry and costume novelties, except precious metal	338.2	290.1	268.0	266.8	256.7	236.2	235.2	(NA)
39620	Feathers, plumes, and artificial flowers	86.3	(69.0)	(69.5)	64.3	59.3	59.5	48.6	38.3
39630	Buttons and parts, except of precious or semiprecious metals and stones	83.8	71.6	74.9	82.7	81.9	70.8	64.0	57.7
3964-	Needles, pins, and fasteners	381.4	399.1	362.5	347.0	315.2	220.8	177.0	147.1
39641	Zipper and slide fasteners	201.5	179.2	165.8	147.8	143.2	87.2	74.4	57.6
39642	Needles, pins, fasteners (except slide), and similar notions	153.8	210.1	184.1	188.8	155.7	112.0	93.9	82.0
39640	Needles, pins, and fasteners, n.s.k.	26.1	9.8	12.7	10.4	16.3	21.6	8.7	7.5

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3963.--BUTTONS					
	Materials, components, parts, containers and supplies, total.	.....	(X)	31.0	(X)	33.3
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons.	1.4	0.4	1.5	0.4
331020	Alloy steel	...do.....	0.7	0.6	0.2	0.2
331031	Stainless steel	...do.....				
335208	Aluminum and aluminum-base alloy	Million pounds...	(NA)	0.4	(NA)	0.3
335121	Copper and copper-base alloy	...do.....	(NA)	3.5	(D)	(D)
970099	All other materials,and components, parts, containers, and supplies consumed	.....	(X)	15.6	(X)	20.6
976000	Materials, etc., n.s.k.[1]	.....	(X)	10.5	(X)	11.8
	INDUSTRY 3964.--NEEDLES, PINS, AND FASTENERS					
	Materials, components, parts, containers and supplies, total.	.....	(X)	153.6	(X)	131.1
	Mills shapes and forms:					
331001	Carbon steel	1,000 short tons.	29.7	8.7	28.0	8.6
331020	Alloy steel	...do.....	10.8	2.9	4.4	1.2
331031	Stainless steel	...do.....	1.3	2.1	0.7	1.2
335208	Aluminum and aluminum-base alloy	Million lbs.....	12.4	6.9	11.0	6.7
335121	Copper and copper-base alloy	...do.....	21.7	15.8	18.8	11.7
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	95.4	(X)	79.8
976000	Materials, etc., n.s.k.[1]	.....	(X)	21.8	(X)	21.9

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
3951	PENS AND MECHANICAL PENCILS										
	ENTIRE INDUSTRY	119	11.8	62.8	9.2	18.1	38.6	140.5	74.2	211.8	6.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	111	9.9	52.9	7.8	15.1	32.8	123.5	65.8	185.6	5.6
3952	LEAD PENCILS AND ART GOODS										
	ENTIRE INDUSTRY	131	7.9	42.2	6.0	12.0	24.7	79.8	80.5	158.9	4.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	112	5.9	31.0	4.5	8.8	18.1	61.2	58.2	118.1	4.0
39521	LEAD PENCILS AND CRAYONS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	37	5.1	26.6	3.8	7.6	15.6	49.1	44.3	92.2	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	24	3.1	14.9	2.4	4.8	9.3	28.9	29.1	56.9	.9
39522	ARTISTS' MATERIALS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	42	2.6	14.2	1.9	3.9	8.1	26.6	33.4	59.9	3.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	33	1.3	6.8	1.0	2.0	3.9	13.4	15.7	29.4	(D)
3953	MARKING DEVICES										
	ENTIRE INDUSTRY	602	8.5	53.3	5.8	11.1	29.2	98.1	50.4	146.3	6.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	584	7.4	46.0	5.0	9.3	25.0	84.4	40.1	124.4	4.7
3955	CARBON PAPER AND INKED RIBBONS										
	ENTIRE INDUSTRY	107	6.5	41.8	4.4	9.0	23.8	93.8	113.2	206.8	5.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	101	6.0	38.5	4.1	8.4	22.2	85.4	103.9	189.2	5.2
3961	COSTUME JEWELRY										
	ENTIRE INDUSTRY	764	22.4	106.9	19.4	36.7	73.8	220.5	160.5	376.5	4.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	728	20.5	97.7	17.7	33.5	67.5	203.7	152.7	351.8	3.9
3962	ARTIFICIAL FLOWERS										
	ENTIRE INDUSTRY	321	5.2	20.2	4.6	7.9	14.8	43.3	41.4	84.7	.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	312	4.8	18.3	4.3	7.3	13.4	39.5	39.2	78.6	.7
3963	BUTTONS										
	ENTIRE INDUSTRY	234	4.8	23.7	4.1	8.0	16.8	46.1	35.5	80.8	1.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	233	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3964	NEEDLES, PINS, AND FASTENERS										
	ENTIRE INDUSTRY	289	19.2	101.1	15.9	31.8	70.5	218.1	168.5	385.3	15.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	272	16.0	83.8	13.4	26.8	58.8	183.6	146.7	329.5	13.3
39641	ZIPPERS AND SLIDE FASTENERS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	86	8.5	43.0	7.1	14.3	31.2	104.3	95.8	200.3	6.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	85	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39642	NEEDLES, FASTENERS (EXC. SLIDE), SIMILAR NOTIONS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	66	9.1	50.6	7.3	14.6	33.7	99.1	60.8	158.9	7.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	53	6.0	33.1	4.9	9.7	21.9	64.6	38.4	102.0	5.3

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

MISCELLANEOUS MANUFACTURES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

3991--Brooms and Brushes
3993--Signs and Advertising Displays
3994--Morticians' Goods
3996--Linoleum, Ashpalted-Felt-Base, and Other Hard Surface Floor Coverings, Not Elsewhere Classified
3999--Manufacturing Industries, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

3991--BROOMS AND BRUSHES

This industry comprises establishments primarily engaged in manufacturing household, industrial, and street sweeping brooms; and brushes, such as paint brushes, toothbrushes, toilet brushes, and household and industrial brushes. For a detailed list of products of industry 3991, refer to table 6A, product codes 3991113 to 3991398.

While the identifying code number for this industry has been changed from the code number used in 1963, the content of the industry is unchanged.

Value of shipments and other receipts of the Brooms and Brushes Industry in 1967 totaled $372 million. This included shipments of brooms and brushes (primary products), valued at $271 million, shipments of other products (secondary products) valued at $32 million, and miscellaneous receipts (mainly resales) of $70 million.

This industry's shipments of brooms and brushes (primary products) in 1967 represented 90 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 89 percent.

Industry 3991 shipments of brooms and brushes (primary products) in 1967 represented 92 percent (coverage ratio) of these products valued at $295 million shipped by all industries. In 1963, the coverage ratio was 93 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other

Government agencies and the remaining statistics estimated from industry averages. For industry 3991, these establishments accounted for approximately 3 percent of payroll and 3 percent of value added by manufacture.

3993--SIGNS AND ADVERTISING DISPLAYS

This industry comprises establishments primarily engaged in manufacturing electrical, mechanical, cutout, or plate signs and advertising displays, including neon signs and advertising novelties. Sign painting shops doing business on a custom basis are classified in industry 7399. Establishments primarily engaged in manufacturing electric signal equipment are classified in industry 3662, and lighting fixtures in industry 3642. For a detailed list of products of industry 3993, refer to table 6A, product codes 3993111 to 3993311.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Signs and Advertising Displays Industry in 1967 totaled $875 million. This included shipments of signs and advertising displays (primary products), valued at $762 million, shipments of other products (secondary products) valued at $21 million, and miscellaneous receipts of $92 million.

This industry's shipments of signs and advertising displays (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 96 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 42 percent of the total industry shipments are represented by plants specializing in product class 39932, nonelectric signs and advertising displays; and 25 percent in 39931, luminous tubing and bulb signs.

Industry 3993 shipments of signs and advertising displays (primary products) in 1967 represented 95 percent (coverage ratio) of these products valued at $801 million shipped by all industries. In 1963, the coverage ratio was also 95 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3993, these establishments accounted for approximately 6 percent of payroll and 8 percent of value added by manufacture.

3994--MORTICIANS' GOODS

This industry comprises establishments primarily engaged in manufacturing caskets, coffins, burial cases, and coffin shipping cases, whether of wood or other material except concrete (industry 3272); morticians' supplies and accessories, such as burial garments, gloves, slippers, casket linings, and embalming fluids; and morticians' paraphernalia and equipment. For a detailed list of products of industry 3994, refer to table 6A, product codes 3994111 to 3994398.

While the identifying code number for this industry has been changed from the code number used in 1963, the content of the industry is unchanged.

Value of shipments and other receipts of the Morticians' Goods Industry in 1967 totaled $306 million. This included shipments of morticians' goods (primary products), valued at $282 million, shipments of other products (secondary products) valued at $14 million, and miscellaneous receipts (mainly resales) of $10 million.

This industry's shipments of morticians' goods (primary products) in 1967 represented 95 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was also 95 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 56 percent of the total industry shipments are represented by plants specializing in product class 39941, Metal caskets and coffins, completely lined and trimmed.

Industry 3994 shipments of mortician's goods (primary products) in 1967 represented 98 percent (coverage ratio) of these products valued at $288 million shipped by all industries. In 1963, the coverage ratio was also 98 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3994, these establishments accounted for approximately 3 percent of payroll and 3 percent of value added by manufacture.

3996--LINOLEUM, ASPHALTED-FELT-BASE, AND OTHER HARD SURFACE FLOOR COVERINGS, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing linoleum, asphalted-felt-base, and other hard surface floor coverings, not elsewhere classified. Establishments primarily engaged in manufacturing rubber floor coverings are classified in industry 3069, and cork floor and wall tile in industry 2499. For a detailed list of products of industry 3996, refer to table 6A, product codes 3996111 to 3996265.

While the identifying code number for this industry has been changed from the code number used in 1963, the content of the industry is unchanged.

Value of shipments and other receipts of the Hard Surface Floor Coverings Industry in 1967 totaled $222 million. This included shipments of hard surface floor coverings (primary products), valued at $186 million, shipments of other products (secondary products) valued at $31 million, and miscellaneous receipts (mainly resales) of $5 million.

This industry's shipments of hard surface floor coverings (primary products) in 1967 represented 86 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 82 percent.

Industry 3996 shipments of hard surface floor coverings (primary products) in 1967 represented 97 percent (coverage ratio) of these products valued at $192 million shipped by all industries. In 1963, the coverage ratio was 98 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3996, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

3999--MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing miscellaneous fabricated products, including beauty shop and barber shop equipment; hair work; tobacco pipes and cigarette holders; coin-operated amusement machines; matches; candles; lamp shades; dressed and dyed furs; unbrellas; parasols and canes; and other articles, not elsewhere classified. For a detailed list of products of industry 3999, refer to table 6A, product codes 3999111 to 3999998.

The code number for this industry in the Standard Industrial Classification Manual is unchanged, but the content of the industry has been significantly changed from the classification system used in 1963. The change in composition of the industry as now constituted, compared with that under the classification system followed in the 1963 Census, is due principally to previous industries 3983, Matches; 3984, Candles; 3987, Lamp Shades; 3992, Furs, Dressed and Dyed; and 3995, Umbrellas, Parasols, and Canes, being included in this industry for 1967.

Value of shipments and other receipts of the Manufactures, N.E.C., Industry in 1967 totaled $943 million. This included shipments of manufactured products n.e.c. (primary products), valued at $827 million, shipments of other products (secondary products) valued at $51 million, and miscellaneous receipts (mainly resales) of $65 million.

This industry's shipments of manufactured products, n.e.c. (primary products) in 1967 represented 94 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio for 1963 is not available.

Industry 3999 shipments of manufactured products, n.e.c. (primary products) in 1967 represented 90 percent (coverage ratio) of these products valued at $922 million shipped by all industries. For 1963, the coverage ratio is not available.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 3999, these establishments accounted for approximately 4 percent of payroll and 4 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 3991.--BROOMS AND BRUSHES[3]													
1967 Census....	533	169	17.3	88.3	14.1	26.8	61.3	192.9	177.0	371.8	10.7	69.5	90	92
1966 ASM[1].....	(NA)	(NA)	17.0	85.3	13.7	27.7	55.5	195.1	185.4	374.4	9.2	82.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.3	84.2	14.2	27.5	54.1	192.7	181.5	372.3	6.2	76.9	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	17.2	81.7	13.7	26.9	51.9	181.7	169.5	350.6	*7.0	69.2	(NA)	(NA)
1963 Census....	643	167	16.6	73.6	13.4	25.8	49.5	167.9	153.6	321.1	4.4	66.4	89	93
1962 ASM[1].....	(NA)	(NA)	16.6	74.4	13.5	25.7	49.4	166.6	144.8	306.9	5.2	72.2	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	16.6	71.0	13.4	25.2	46.8	147.9	143.7	292.9	3.6	68.8	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	16.9	70.6	13.6	26.2	47.1	150.2	143.6	291.3	*6.5	70.5	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	17.6	70.1	14.3	27.3	47.7	155.3	146.4	298.9	*11.5	66.0	(NA)	(NA)
1958 Census[2]...	723	179	17.1	64.6	13.6	25.6	42.9	137.5	137.1	275.7	4.0	62.8	89	94
	INDUSTRY 3993.--SIGNS AND ADVERTISING DISPLAYS													
1967 Census....	3,188	623	47.8	309.3	[4]36.8	70.6	198.8	546.6	330.8	875.1	23.0	87.3	97	95
1966 ASM[1].....	(NA)	(NA)	48.3	294.2	40.6	76.3	202.3	495.9	359.4	818.6	20.4	91.5	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	46.2	269.8	39.1	71.4	179.4	444.3	300.1	742.9	19.4	68.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	43.2	259.7	32.8	65.3	171.2	455.7	263.8	713.1	*12.7	72.5	(NA)	(NA)
1963 Census....	3,206	570	43.5	242.6	33.1	64.8	163.5	407.5	243.8	646.8	15.0	69.1	96	95
1962 ASM[1].....	(NA)	(NA)	41.3	223.8	31.4	62.2	149.4	378.2	238.2	609.0	*9.4	62.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	39.8	204.4	30.8	60.3	137.8	336.5	222.6	557.1	*17.8	52.5	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	39.9	203.1	31.0	60.8	139.0	331.1	211.6	539.0	*11.0	54.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	38.7	188.3	30.3	57.9	128.5	307.2	196.0	501.4	*8.6	51.3	(NA)	(NA)
1958 Census[2]...	2,725	460	36.2	173.0	27.9	53.6	118.9	281.2	179.1	457.0	13.5	48.2	95	95
	INDUSTRY 3994.--MORTICIANS' GOODS[5]													
1967 Census....	563	211	16.1	90.9	13.0	26.4	60.6	161.7	144.2	306.1	4.2	51.4	95	98
1966 ASM[1].....	(NA)	(NA)	17.0	90.0	12.6	25.8	57.9	182.4	140.2	319.1	7.7	50.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	17.0	89.7	13.4	27.4	59.1	173.0	128.7	302.6	6.7	44.5	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	16.8	85.9	12.6	26.6	56.0	150.4	131.0	281.9	6.8	47.9	(NA)	(NA)
1963 Census....	617	224	17.3	86.2	13.5	27.5	58.4	158.4	132.7	290.0	5.5	46.4	95	98
1962 ASM[1].....	(NA)	(NA)	17.0	82.1	13.6	29.3	54.8	150.9	128.4	280.3	*14.1	45.4	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	17.0	79.7	13.5	28.8	53.2	145.8	120.9	264.1	*12.5	45.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	17.4	78.5	13.8	29.4	53.6	145.6	118.2	260.9	*12.4	42.9	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	16.8	75.4	13.4	27.4	51.1	130.8	113.4	245.2	*10.9	39.7	(NA)	(NA)
1958 Census[2]...	592	219	17.4	73.7	13.8	27.8	50.6	128.9	109.9	237.8	5.8	40.3	95	99
	INDUSTRY 3996.--HARD-SURFACE FLOOR COVERINGS[6]													
1967 Census....	20	12	6.0	43.5	4.9	10.1	33.2	133.4	90.4	221.7	20.6	41.8	86	97
1966 ASM[1].....	(NA)	(NA)	6.3	44.8	5.1	10.8	34.4	135.2	100.8	230.3	9.3	39.9	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	6.2	42.3	5.0	10.4	32.4	139.2	89.2	227.8	10.0	32.4	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	6.3	42.3	5.1	10.7	32.3	132.5	86.4	217.6	6.8	31.0	(NA)	(NA)
1963 Census....	16	13	6.2	39.0	5.0	10.1	29.5	118.8	80.7	204.1	4.4	29.9	82	98
1962 ASM[1].....	(NA)	(NA)	6.4	39.4	5.3	11.0	30.6	110.7	82.8	191.3	5.0	34.7	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	6.6	38.2	5.3	10.8	29.4	96.9	79.5	179.7	5.7	32.9	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	7.1	39.7	5.8	11.8	31.1	96.1	83.9	183.8	7.8	36.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	8.0	44.8	6.8	14.3	36.3	110.9	97.5	206.5	*9.5	43.0	(NA)	(NA)
1958 Census[2]...	14	14	8.0	41.9	6.7	14.0	34.1	93.1	87.1	181.6	5.4	40.1	84	98
	INDUSTRY 3999.--MANUFACTURES, N.E.C.[7]													
1967 Census....	2,211	586	56.	284.4	[4]46.6	88.1	197.2	540.6	408.7	943.3	23.5	139.3	94	90
1966 ASM[1].....	(NA)	(NA)	46.9	223.6	38.2	75.0	158.7	408.8	352.8	757.0	*17.1	102.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	48.9	230.3	40.1	79.0	165.1	424.8	350.4	773.2	17.1	101.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	48.0	221.6	39.0	79.2	158.0	404.1	325.5	728.0	*10.7	97.4	(NA)	(NA)
1963 Census....	2,108	486	46.7	207.3	38.5	74.6	150.0	384.0	305.8	684.2	13.5	98.6	(NA)	(NA)
1962 ASM[1].....	(NA)	(NA)	42.9	188.8	34.7	67.5	132.5	353.9	298.6	650.2	*13.5	100.1	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	42.6	177.0	34.8	69.0	126.0	307.7	265.7	578.2	*9.3	92.0	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	43.1	177.4	35.1	69.5	125.4	314.9	268.1	583.4	*11.0	97.2	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	46.4	180.7	38.1	72.9	130.2	311.1	264.5	580.7	*13.7	98.7	(NA)	(NA)
1958 Census[2]...	1,898	433	44.4	177.2	36.4	69.4	127.9	311.1	256.6	557.4	10.2	100.4	(NA)	(NA)

Footnotes on next page.

TABLE 1A. General Statistics: 1958 to 1967–Continued

Footnotes for table 1A--39D

Note: In 1967, 1963, and 1958, the number of companies in industry 3991 was 516, 628, and 713, respectively; in industry 3993: 3,159, 3,165, and 2,691; industry 3994: 527, 581, and 562; industry 3996: 18, 13, and 10; industry 3999: 2,165, (NA), and (NA). The 1967 company counts in include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet publication standards, either on the basis of the associated standard error of estimate or on the basis of a consistency review. *These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors of the 1966/1965 relatives for employment and value added were as follows: industry 3991, 2 and 4, respectively; industry 3993, 3 and 4, respectively; industry 3994, 2 and 6 respectively; industry 3996, 1 and 1, respectively; and industry 3999, 5 and 4, respectively.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures, in table 1 of the chapter devoted to this industry.

[3]The code for this industry was 3981 through 1966. However, no change in definition was involved in changing the code to SIC 3991 in 1967.

[4]Production workers for this industry may be overstated by 1 to 2 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

[5]The code for this industry was 3988 through 1966. However, no change in definition was involved in changing the code to SIC 3994 in 1967.

[6]The code for this industry was 3982 through 1966. However, no change in definition was involved in changing the code to SIC 3996 in 1967.

[7]This industry has been redefined significantly from the definition used in the 1966 Annual Survey of Manufactures and in prior years. This industry now includes the following SIC industries for prior years.

SIC	Title	SIC	Title
3983	Matches	3992	Furs, dressed and dyed
3984	Candles	3995	Unbrellas, parasols and canes
3987	Lamp shades	3999	Miscellaneous products, N.E.C.

The figures for 1966 and prior years have been revised accordingly.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 3991.--BROOMS AND BRUSHES								
1967 Census	5,110	82	1,892	2.29	.48	.71	11,160	46	7.21
1966 ASM	5,019	80	2,029	2.00	.50	.72	11,474	44	7.04
1965 ASM	4,864	82	1,941	1.97	.49	.71	11,126	44	7.01
1964 ASM	4,744	80	1,961	1.93	.48	.72	10,552	45	6.75
1963 Census	4,425	81	1,921	1.92	.48	.71	10,090	44	6.51
1962 ASM	4,471	81	1,896	1.93	.47	.71	10,019	45	6.49
1961 ASM	4,272	81	1,875	1.86	.49	.73	8,902	48	5.88
1960 ASM	4,182	81	1,926	1.79	.49	.74	8,904	47	5.73
1959 ASM	3,981	81	1,909	1.75	.49	.72	8,817	45	5.70
1958 Census	3,780	79	1,888	1.68	.50	.73	8,049	47	5.37
	INDUSTRY 3993.--SIGNS AND ADVERTISING DISPLAYS								
1967 Census	6,465	[1]77	[1]1,919	2.82	.38	.73	11,425	57	7.75
1966 ASM	6,087	84	1,880	2.65	.44	.80	10,262	59	6.50
1965 ASM	5,846	85	1,826	2.51	.40	.77	9,627	61	6.22
1964 ASM	6,018	76	1,989	2.62	.37	.73	10,560	57	6.98
1963 Census	5,580	76	1,957	2.52	.38	.75	9,372	60	6.28
1962 ASM	5,419	76	1,980	2.40	.39	.76	9,158	59	6.08
1961 ASM	5,131	77	1,957	2.29	.40	.77	8,446	61	5.58
1960 ASM	5,088	78	1,962	2.28	.39	.77	8,294	61	5.44
1959 ASM	4,869	78	1,911	2.22	.39	.77	7,945	61	5.30
1958 Census	4,784	77	1,917	2.22	.39	.77	7,774	62	5.25
	INDUSTRY 3994.--MORTICIANS' GOODS								
1967 Census	5,646	81	2,035	2.30	.47	.77	10,047	56	6.13
1966 ASM	5,304	75	2,042	2.24	.44	.72	10,757	49	7.07
1965 ASM	5,273	79	2,049	2.16	.43	.72	10,175	52	6.31
1964 ASM	5,122	75	2,107	2.10	.46	.77	8,970	57	5.65
1963 Census	4,989	78	2,031	2.12	.46	.75	9,166	54	5.76
1962 ASM	4,831	80	2,152	1.87	.46	.75	8,878	54	5.15
1961 ASM	4,699	80	2,136	1.85	.46	.76	8,592	55	5.06
1960 ASM	4,515	79	2,131	1.82	.45	.75	8,366	54	4.95
1959 ASM	4,488	79	2,055	1.86	.46	.77	7,780	58	4.77
1958 Census	4,247	80	2,011	1.82	.46	.77	7,423	57	4.64
	INDUSTRY 3996.--HARD-SURFACE FLOOR COVERINGS								
1967 Census	7,196	81	2,067	3.29	.41	.60	22,061	33	13.19
1966 ASM	7,116	81	2,116	3.19	.44	.63	21,451	33	12.53
1965 ASM	6,852	81	2,080	3.12	.39	.58	22,542	30	13.38
1964 ASM	6,720	81	2,103	3.03	.40	.59	21,027	32	12.41
1963 Census	6,293	80	2,037	2.92	.40	.59	19,191	33	11.77
1962 ASM	6,110	82	2,073	2.79	.43	.64	17,179	36	10.11
1961 ASM	5,810	81	2,047	2.71	.44	.65	14,745	39	8.93
1960 ASM	5,607	82	2,034	2.63	.46	.67	13,568	41	8.13
1959 ASM	5,567	84	2,101	2.55	.47	.69	13,789	40	7.78
1958 Census	5,241	84	2,088	2.43	.48	.71	11,645	45	6.64
	INDUSTRY 3999.--MANUFACTURES, N.E.C.								
1967 Census	5,026	[1]82	[1]1,892	2.24	.43	.73	9,555	53	6.14
1966 ASM	4,768	81	1,963	2.12	.47	.76	8,717	55	5.45
1965 ASM	4,710	82	1,970	2.09	.45	.75	8,687	54	5.38
1964 ASM	4,617	81	2,031	1.99	.45	.75	8,419	55	5.10
1963 Census	4,439	82	1,938	2.01	.45	.75	8,223	54	5.15
1962 ASM	4,401	81	1,945	1.96	.46	.75	8,249	53	5.24
1961 ASM	4,155	82	1,983	1.83	.46	.77	7,223	58	4.46
1960 ASM	4,116	81	1,980	1.80	.46	.76	7,306	56	4.53
1959 ASM	3,894	82	1,913	1.79	.46	.77	6,705	58	4.27
1958 Census	3,991	82	1,907	1.84	.46	.78	7,007	57	4.48

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] Production workers for this industry may be overstated by 1 to 2 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3991-- BROOMS AND BRUSHES													
UNITED STATES	533	169	17.3	88.3	14.1	26.8	61.3	192.9	177.0	371.8	10.7	16.6	167.9
NORTHEAST REGION	170	64	7.6	39.7	6.3	11.9	28.3	101.0	89.9	192.3	4.5	8.3	100.5
NEW ENGLAND DIVISION	45	20	3.8	19.8	3.1	5.8	14.9	59.0	54.3	114.6	2.5	3.2	53.9
MAINE	4	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
NEW HAMPSHIRE	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
MASSACHUSETTS	26	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
CONNECTICUT	9	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
MIDDLE ATLANTIC DIVISION	125	44	3.8	19.8	3.1	6.1	13.5	42.0	35.6	77.7	2.0	5.2	46.7
NEW YORK	71	23	2.5	13.0	2.0	3.8	8.7	27.4	23.4	51.1	(D)	3.2	31.1
NEW JERSEY	26	12	.9	4.5	.7	1.4	3.1	9.9	8.2	18.2	(D)	1.4	12.6
PENNSYLVANIA	28	9	.5	2.3	.4	.8	1.6	4.6	3.9	8.5	.1	.6	3.0
NORTH CENTRAL REGION	136	54	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.9	44.0
EAST NORTH CENTRAL DIVISION	108	46	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.8	36.9
OHIO	26	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6	16.2
INDIANA	5	3	.2	.9	.2	.3	.6	1.3	1.7	3.3	.1	[3](D)	[3](D)
ILLINOIS	40	16	1.5	7.8	1.3	2.5	5.5	15.4	14.3	29.9	.4	[3]1.2	10.9
MICHIGAN	21	4	.2	1.3	.2	.3	.9	2.3	2.5	4.7	(Z)	(D)	[3](D)
WISCONSIN	16	6	.6	3.4	.5	1.0	2.3	7.3	6.0	13.4	.5	.6	6.3
WEST NORTH CENTRAL DIVISION	28	8	1.0	4.7	.9	1.6	3.4	8.5	6.2	14.8	.3	1.1	7.1
MINNESOTA[e]	6	2	.2	1.0	.2	.3	.7	2.1	1.7	3.8	(D)	.2	1.4
IOWA	8	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4	3.5
NEBRASKA	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.1	.8
SOUTH REGION	161	39	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.6	17.0
SOUTH ATLANTIC DIVISION	72	20	2.0	9.8	1.6	3.2	6.9	17.1	17.0	34.1	1.9	1.6	10.6
MARYLAND	9	6	1.2	6.7	.9	1.9	4.6	10.8	10.3	21.3	1.6	.8	6.6
NORTH CAROLINA	24	3	.3	1.1	.2	.4	.8	2.4	2.4	4.7	(D)	.2	1.0
GEORGIA	14	3	.2	.8	.1	.3	.6	1.6	1.6	3.2	.1	.2	.9
FLORIDA	11	6	.2	.9	.2	.4	.6	1.7	1.8	3.5	.1	.3	1.4
EAST SOUTH CENTRAL DIVISION	25	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	4.0
KENTUCKY	6	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
TENNESSEE	11	4	.3	.8	.2	.4	.7	2.0	1.8	3.9	(Z)	.2	1.7
ALABAMA	7	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
WEST SOUTH CENTRAL DIVISION	64	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	2.4
TEXAS	34	6	.5	1.3	.3	.6	1.0	1.9	2.3	4.2	.1	.3	1.5
WEST REGION	66	12	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
PACIFIC DIVISION	54	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	5.8
CALIFORNIA	42	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	4.4
3993-- SIGNS AND ADVERTISING DISPLAYS[2]													
UNITED STATES	3 188	623	47.8	309.3	36.8	70.6	198.8	546.6	330.8	875.1	23.0	43.5	407.5
NORTHEAST REGION	963	218	15.2	93.1	12.1	23.0	61.7	162.8	97.6	259.5	8.2	13.8	124.4
NEW ENGLAND DIVISION	183	40	2.6	14.9	2.0	3.7	9.8	25.9	15.1	40.5	.6	2.0	17.8
MASSACHUSETTS	95	23	1.5	9.2	1.2	2.1	5.9	16.0	8.8	24.5	.4	1.3	11.5
RHODE ISLAND	30	12	.5	2.7	.5	.8	1.9	4.9	2.3	7.2	.1	.3	1.8
CONNECTICUT	37	3	.3	2.1	.3	.5	1.4	3.9	3.2	7.0	.1	[3](D)	[3](D)
MIDDLE ATLANTIC DIVISION	780	178	12.6	78.2	10.1	19.3	51.9	137.0	82.6	219.0	7.6	11.8	106.5
NEW YORK	483	118	8.4	51.8	6.8	13.0	34.6	91.5	54.9	146.2	2.6	7.9	73.4
NEW JERSEY	142	30	2.0	11.9	1.6	3.1	8.0	20.1	12.8	32.8	.5	1.8	15.7
PENNSYLVANIA	155	30	2.2	14.6	1.7	3.2	9.4	25.3	14.9	40.1	4.5	2.1	17.4
NORTH CENTRAL REGION	919	214	17.3	116.6	13.1	25.8	73.5	200.9	129.9	331.0	7.0	16.4	156.4
EAST NORTH CENTRAL DIVISION	671	157	13.3	92.6	10.1	20.1	58.7	154.9	100.7	256.3	5.0	12.6	123.7
OHIO	167	41	3.1	20.8	2.3	4.7	13.2	35.9	24.0	60.0	.9	3.6	29.4
INDIANA	78	7	.9	5.3	.6	1.2	3.4	11.0	7.1	17.8	.2	.7	7.6
ILLINOIS	226	74	5.8	41.8	4.4	9.1	25.9	69.5	41.4	110.9	2.6	5.3	53.9
MICHIGAN	125	17	1.7	13.7	1.3	2.5	9.0	21.0	13.1	34.2	.6	1.6	18.0
WISCONSIN	75	18	1.8	11.0	1.4	2.6	7.3	17.6	15.0	33.4	.7	1.4	14.8
WEST NORTH CENTRAL DIVISION	248	57	4.0	24.0	3.0	5.7	14.8	45.9	29.3	74.7	2.0	3.8	32.6
MINNESOTA	57	16	.9	6.4	.7	1.4	3.9	9.6	8.1	17.7	.3	1.4	10.6
IOWA	43	10	.9	5.1	.6	1.1	3.0	13.4	6.9	20.1	.5	.5	7.3
MISSOURI	72	22	1.6	8.6	1.2	2.2	5.6	15.9	10.1	25.9	.5	1.3	10.2
NEBRASKA	31	6	.2	1.3	.2	.3	.8	2.4	1.4	3.7	.1	.1	1.2
KANSAS	31	2	.4	2.3	.3	.6	1.2	4.0	2.3	6.2	(D)	.3	2.5
SOUTH REGION	726	102	8.5	48.2	6.5	12.3	31.6	90.6	63.3	153.2	4.9	6.4	52.8
SOUTH ATLANTIC DIVISION	340	53	3.6	21.3	2.9	5.6	14.6	37.9	19.5	56.9	1.6	3.2	25.6
MARYLAND	43	15	.6	3.5	.5	1.0	2.7	6.5	3.5	10.1	.4	.4	3.1
VIRGINIA	29	5	.6	3.3	.5	.9	2.2	4.9	3.1	8.2	.3	.6	4.1
NORTH CAROLINA	30	3	.3	1.4	.2	.4	.9	2.6	1.3	3.9	(D)	.3	2.4
SOUTH CAROLINA	12	4	.4	2.2	.3	.6	1.6	4.6	1.8	6.1	.2	.3	3.0
GEORGIA	61	7	.5	2.7	.4	.7	1.9	5.9	2.9	8.8	.3	.4	3.0
FLORIDA	134	15	1.0	6.4	.8	1.5	4.2	10.6	5.5	16.0	.4	1.0	8.1

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3993-- SIGNS AND ADVERTISING DISPLAYS--CONTINUED													
SOUTH REGION--CONTINUED													
EAST SOUTH CENTRAL DIVISION	138	22	2.6	14.1	1.8	3.4	8.5	28.1	26.9	54.5	2.3	1.3	11.0
KENTUCKY	36	7	.5	2.5	.3	.6	1.4	4.2	3.6	7.6	.2	.3	2.4
TENNESSEE	60	13	1.7	9.6	1.2	2.2	5.7	19.7	18.2	37.7	1.7	.6	6.6
ALABAMA	29	2	.3	1.6	.3	.5	1.1	3.4	4.6	8.0	.2	.3	1.5
WEST SOUTH CENTRAL DIVISION	248	27	2.3	12.8	1.8	3.4	8.5	24.6	17.0	41.8	1.0	1.9	16.2
ARKANSAS	12	2	.2	.9	.1	.2	.5	1.6	1.2	2.9	.1	.2	1.5
LOUISIANA	31	3	.2	1.3	.2	.3	.9	2.4	1.3	3.7	.1	.2	1.4
OKLAHOMA	40	2	.3	2.0	.3	.5	1.4	3.2	2.2	5.4	.1	.3	2.4
TEXAS	165	20	1.6	8.7	1.2	2.3	5.7	17.5	12.3	29.8	.8	1.2	11.0
WEST REGION	580	89	7.0	51.4	5.0	9.5	32.0	92.3	40.0	131.4	2.9	6.9	74.2
MOUNTAIN DIVISION	143	16	1.2	8.6	.9	1.8	5.3	15.8	6.7	22.5	.4	1.3	13.5
COLORADO	44	7	.4	2.7	.3	.6	1.8	5.1	2.4	7.4	.1	.4	4.0
ARIZONA[e]	27	3	.2	1.4	.2	.3	.9	2.3	1.3	3.7	.1	.2	2.1
UTAH	19	3	.3	2.6	.2	.5	1.4	4.6	1.4	6.1	.1	.2	2.2
PACIFIC DIVISION	437	73	5.7	42.7	4.1	7.7	26.6	76.5	33.2	108.9	2.6	5.6	60.7
WASHINGTON	57	10	.6	4.2	.4	.8	2.8	7.1	2.6	9.7	.6	.5	5.6
OREGON	38	6	.4	3.3	.3	.5	1.9	5.4	3.1	8.4	.2	.4	3.7
CALIFORNIA	333	57	4.7	34.9	3.4	6.3	21.8	63.5	27.3	90.1	1.8	4.6	50.9
3994-- MORTICIANS' GOODS													
UNITED STATES	563	211	16.1	90.9	13.0	26.4	60.6	161.7	144.2	306.1	4.2	17.3	158.4
NORTHEAST REGION	122	43	3.8	22.1	3.0	6.3	15.4	37.0	33.4	70.3	.9	4.5	37.8
NEW ENGLAND DIVISION	32	11	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	8.6
NEW HAMPSHIRE	5	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
MASSACHUSETTS	15	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6	5.0
MIDDLE ATLANTIC DIVISION	90	32	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3.4	29.2
NEW YORK	37	10	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	9.6
PENNSYLVANIA	42	21	2.0	11.7	1.6	3.4	8.4	17.5	13.1	30.7	.4	2.3	18.3
NORTH CENTRAL REGION	188	80	7.2	43.3	5.6	11.3	27.3	80.7	58.5	139.5	1.8	7.2	77.6
EAST NORTH CENTRAL DIVISION[e]	130	61	6.2	38.6	4.9	9.9	24.4	71.4	50.6	122.4	1.4	6.0	68.6
OHIO	37	18	1.4	8.4	1.2	2.3	5.9	15.3	8.9	24.2	.6	1.5	15.4
INDIANA[e]	32	19	2.9	18.9	2.2	4.7	11.4	38.1	24.4	62.7	.4	2.4	33.2
ILLINOIS	30	15	1.3	8.5	1.1	2.1	5.3	13.3	11.9	25.3	.4	1.6	15.0
MICHIGAN	21	5	.3	1.8	.2	.5	1.2	3.1	3.2	6.3	.1	.3	2.8
WISCONSIN	10	4	.2	1.1	.2	.3	.6	1.7	2.1	3.8	(Z)	.2	2.2
WEST NORTH CENTRAL DIVISION	58	19	1.0	4.7	.8	1.4	2.9	9.3	7.9	17.0	.3	[3]1.1	9.0
MINNESOTA	6	3	.2	.9	.1	.2	.5	1.5	1.1	2.7	(D)	(D)	[3](D)
IOWA	11	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	1.6
MISSOURI	30	11	.5	2.3	.4	.8	1.4	4.8	4.1	8.9	.2	.6	4.5
SOUTH REGION	177	64	3.9	17.9	3.3	6.8	12.5	31.9	37.7	69.7	1.2	4.3	31.3
SOUTH ATLANTIC DIVISION	70	22	1.4	6.6	1.2	2.4	4.3	11.2	10.8	22.0	.5	1.8	13.0
NORTH CAROLINA	16	7	.3	1.2	.2	.5	.8	1.7	3.1	4.8	.1	[3].4	[3].4
SOUTH CAROLINA	5	2	.2	.9	.2	.3	.6	1.5	1.2	2.7	(D)	(D)	[3](D)
GEORGIA	15	6	.5	2.4	.4	.9	1.5	3.9	3.1	6.9	.2	.8	5.4
FLORIDA	20	3	.2	.9	.1	.3	.6	2.1	1.3	3.4	.1	.2	1.7
EAST SOUTH CENTRAL DIVISION	52	22	1.4	6.0	1.2	2.5	4.7	9.7	15.4	25.1	.6	[3]1.2	[3].2
KENTUCKY	10	2	.3	1.2	.2	.4	.9	1.5	3.1	4.6	.1	[3](D)	[3](D)
TENNESSEE	25	11	.7	3.2	.6	1.4	2.6	5.3	8.2	13.6	.5	.8	5.1
ALABAMA	13	6	.3	1.2	.3	.5	.9	2.0	2.7	4.6	(Z)	.3	2.0
WEST SOUTH CENTRAL DIVISION	55	20	1.1	5.3	.9	1.9	3.4	11.0	11.6	22.6	.1	1.2	10.0
ARKANSAS	7	5	.3	1.1	.3	.5	.8	2.5	2.0	4.5	(Z)	.3	1.7
LOUISIANA	6	1	.2	.9	.1	.3	.5	1.4	1.5	3.0	(D)	.2	2.1
TEXAS	32	12	.6	2.8	.5	.9	1.8	5.8	6.7	12.6	(Z)	.7	5.4
WEST REGION	76	24	1.2	7.6	1.0	2.0	5.5	12.2	14.6	26.7	.3	1.3	11.7
MOUNTAIN DIVISION	17	2	.2	.9	.1	.3	.6	1.5	1.7	3.2	(D)	.2	1.4
PACIFIC DIVISION	59	22	1.1	6.7	.9	1.8	4.9	10.7	12.9	23.6	(D)	1.2	10.4
WASHINGTON	12	5	.2	1.3	.2	.3	1.0	2.3	1.8	4.1	.1	.2	1.7
CALIFORNIA	42	17	.8	5.2	.7	1.4	3.8	8.1	10.8	18.9	(D)	.9	8.4
3996-- HARD-SURFACE FLOOR COVERINGS													
UNITED STATES	20	12	6.0	43.5	4.9	10.1	33.2	133.4	90.4	221.7	20.6	6.2	118.8
NORTHEAST REGION	13	10	5.9	42.0	4.7	9.8	32.1	130.5	87.6	216.0	20.5	5.8	114.1
NEW ENGLAND DIVISION	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8	7.3
MASSACHUSETTS	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
CONNECTICUT	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
MIDDLE ATLANTIC DIVISION	10	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.1	106.8
NEW JERSEY	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[3](D)	[3](D)
PENNSYLVANIA	3	3	4.0	30.0	3.2	6.6	23.1	105.8	67.6	172.6	5.6	[3](D)	[3](D)

See footnotes at end of table.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
3999-- MANUFACTURES, NEC[2]													
UNITED STATES	2 211	586	56.6	284.4	46.6	88.1	197.2	540.6	408.7	943.3	23.5	(4)	(4)
NORTHEAST REGION	1 146	318	29.0	149.0	24.1	45.8	105.1	286.4	209.4	490.9	7.7	(4)	(4)
NEW ENGLAND DIVISION	175	41	4.9	24.1	3.8	7.3	15.6	53.1	32.3	85.1	1.3	(4)	(4)
NEW HAMPSHIRE	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
MASSACHUSETTS	65	24	2.7	14.2	2.0	3.9	8.4	28.0	16.3	44.3	.9	(4)	(4)
RHODE ISLAND	62	6	.7	2.9	.7	1.2	2.2	5.0	2.8	7.7	.1	(4)	(4)
CONNECTICUT	31	9	1.0	4.8	.8	1.6	3.5	16.3	8.0	24.0	.2	(4)	(4)
MIDDLE ATLANTIC DIVISION	971	277	24.1	125.0	20.3	38.5	89.5	233.3	177.2	405.9	6.4	(4)	(4)
NEW YORK	715	190	15.4	82.3	12.9	24.6	58.6	144.0	102.5	245.4	3.3	(4)	(4)
NEW JERSEY	136	43	4.1	22.9	3.4	6.5	15.7	45.7	38.1	81.4	1.9	(4)	(4)
PENNSYLVANIA	120	44	4.7	19.8	4.0	7.5	15.2	43.6	36.5	79.1	1.1	(4)	(4)
NORTH CENTRAL REGION	448	125	16.2	84.4	13.0	24.7	56.8	159.4	121.8	281.7	6.6	(4)	(4)
EAST NORTH CENTRAL DIVISION	343	95	13.2	72.0	10.7	20.6	49.2	138.8	109.9	249.3	5.9	(4)	(4)
OHIO	73	19	1.9	9.4	1.4	2.7	6.2	18.1	18.4	37.4	.5	(4)	(4)
INDIANA	23	5	.3	1.0	.2	.4	.8	2.0	1.0	3.0	.1	(4)	(4)
ILLINOIS	144	43	7.4	40.4	6.2	11.9	28.6	71.7	58.4	130.4	2.1	(4)	(4)
MICHIGAN [e]	68	17	2.1	12.4	1.7	3.3	8.3	21.8	15.2	36.7	.7	(4)	(4)
WISCONSIN	35	11	1.6	8.8	1.2	2.3	5.4	25.2	17.0	41.7	2.4	(4)	(4)
WEST NORTH CENTRAL DIVISION	105	30	3.0	12.4	2.3	4.1	7.6	20.6	11.9	32.4	.7	(4)	(4)
MINNESOTA	26	9	1.0	3.9	.9	1.7	3.0	5.7	3.9	9.5	.2	(4)	(4)
IOWA	18	5	.2	.8	.2	.3	.5	1.6	1.3	2.9	(Z)	(4)	(4)
MISSOURI	42	11	1.4	6.6	1.0	1.8	3.5	11.5	5.7	17.3	(D)	(4)	(4)
NEBRASKA	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
SOUTH REGION	262	66	6.2	25.8	5.1	9.7	18.0	46.1	42.1	86.9	7.7	(4)	(4)
SOUTH ATLANTIC DIVISION	146	36	3.4	15.0	2.9	5.6	10.4	29.2	26.4	54.6	5.9	(4)	(4)
MARYLAND	25	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
VIRGINIA	18	4	.3	1.9	.3	.5	1.2	4.4	4.4	8.5	.2	(4)	(4)
WEST VIRGINIA	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
NORTH CAROLINA	23	8	1.1	4.6	.9	1.9	3.4	8.6	6.8	15.2	(D)	(4)	(4)
SOUTH CAROLINA	6	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
FLORIDA	61	11	.9	3.6	.8	1.3	2.5	6.3	6.4	12.6	.2	(4)	(4)
EAST SOUTH CENTRAL DIVISION	30	12	1.4	5.6	1.1	2.1	4.0	7.0	8.3	15.2	1.4	(4)	(4)
KENTUCKY	9	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
TENNESSEE	13	4	.4	1.5	.4	.7	1.2	2.7	1.7	4.4	.1	(4)	(4)
WEST SOUTH CENTRAL DIVISION	86	18	1.3	5.3	1.1	2.0	3.6	9.8	7.4	17.1	.4	(4)	(4)
LOUISIANA	11	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)
TEXAS	59	14	.9	3.2	.7	1.3	2.1	6.0	4.4	10.2	.3	(4)	(4)
WEST REGION	355	77	5.2	25.1	4.3	7.9	17.4	48.7	35.4	83.7	1.5	(4)	(4)
MOUNTAIN DIVISION [e]	48	8	.4	1.5	.4	.6	1.1	2.5	2.5	5.2	.1	(4)	(4)
COLORADO	20	5	.2	.6	.2	.3	.5	1.4	.6	1.9	(Z)	(4)	(4)
PACIFIC DIVISION	307	69	4.8	23.6	4.0	7.3	16.2	46.2	32.9	78.5	1.5	(4)	(4)
OREGON	11	5	.2	1.1	.2	.3	.7	1.5	1.9	3.4	(Z)	(4)	(4)
CALIFORNIA	274	63	4.2	21.9	3.5	6.5	15.1	43.7	30.3	73.4	1.4	(4)	(4)
HAWAII	10	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(4)	(4)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]Production workers for this industry may be overstated by 1 to 2 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

[3]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

[4]See, footnote 7 Table 1A,

TABLE 3. Detailed Statistics: 1967

Item	Brooms and brushes (SIC 3991)	Signs and advertising displays (SIC 3993)	Morticians' goods (SIC 3994)	Hard surface floor coverings (SIC 3996)	Manufactures, n.e.c. (SIC 3999)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.90	.97	.95	.86	.94
COVERAGE RATIO[2]	.92	.95	.98	.97	.90
ESTABLISHMENTS, TOTAL ..... NUMBER	533	3 188	563	20	2 211
WITH 1 TO 19 EMPLOYEES ..... DO	364	2 565	352	8	1 625
WITH 20 TO 99 EMPLOYEES ..... DO	130	549	183	2	466
WITH 100 EMPLOYEES OR MORE ..... DO	39	74	28	10	120
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	17.3	47.8	16.1	6.0	56.6
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	88.3	309.3	90.9	43.5	284.4
PRODUCTION WORKERS:					
AVERAGE FOR YEAR 1,000	14.1	[3]36.8	13.0	4.9	[3]46.6
MARCH ..... DO	14.0	[3]36.0	13.1	4.8	[3]44.4
MAY ..... DO	14.1	[3]36.7	13.0	4.8	[3]45.6
AUGUST ..... DO	14.3	[3]37.3	13.0	4.9	[3]47.4
NOVEMBER ..... DO	14.3	[3]37.2	12.8	5.0	[3]48.9
MAN-HOURS ..... MILLIONS	26.8	70.6	26.4	10.1	88.1
JANUARY-MARCH ..... DO	6.7	17.5	6.7	2.5	21.3
APRIL-JUNE ..... DO	6.8	17.5	6.8	2.6	21.6
JULY-SEPTEMBER ..... DO	6.5	17.7	6.4	2.4	22.0
OCTOBER-DECEMBER ..... DO	6.8	17.9	6.6	2.6	23.3
WAGES ..... MILLION DOLLARS	61.3	198.8	60.6	33.2	197.2
COST OF MATERIALS, ETC., TOTAL ..... DO	177.0	330.8	144.2	90.4	408.7
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	132.1	288.2	133.9	83.8	357.4
COST OF RESALES ..... DO	41.6	16.7	7.1	3.3	34.6
FUELS CONSUMED ..... DO	1.1	2.8	1.2	1.8	2.5
PURCHASED ELECTRIC ENERGY ..... DO	1.7	4.3	1.3	1.4	4.1
CONTRACT WORK ..... DO	.5	18.8	.7	.2	10.1
VALUE OF SHIPMENTS, INCLUDING RESALES ..... DO	371.8	875.1	306.1	221.7	943.3
VALUE OF RESALES ..... DO	65.5	25.1	9.3	4.7	46.7
VALUE ADDED BY MANUFACTURE ..... DO	192.9	546.6	161.7	133.4	540.6
MANUFACTURERS' INVENTORIES:					
BEGINNING OF YEAR, TOTAL ..... DO	68.8	83.6	51.0	39.0	126.8
FINISHED PRODUCTS ..... DO	30.7	21.7	14.2	25.7	48.6
WORK IN PROCESS ..... DO	9.6	25.8	14.3	5.3	31.1
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	28.5	36.1	22.5	7.9	47.0
END OF YEAR, TOTAL ..... DO	69.5	87.3	51.4	41.8	139.3
FINISHED PRODUCTS ..... DO	29.2	22.5	14.0	26.2	51.5
WORK IN PROCESS ..... DO	9.1	27.4	14.3	6.9	34.3
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	31.2	37.4	23.0	8.7	53.5
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	11.0	24.2	4.4	20.6	25.0
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	10.7	23.0	4.2	20.6	23.5
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	3.0	9.8	1.7	8.0	10.0
NEW MACHINERY AND EQUIPMENT ..... DO	7.7	13.1	2.5	12.6	13.5
USED PLANT AND EQUIPMENT ..... DO	.2	1.2	.2	(Z)	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]Production workers for this industry may be overstated by 1 to 2 percent. This resulted from an overestimation for the administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
3991-- BROOMS AND BRUSHES											
ESTABLISHMENTS, TOTAL	533	17.3	88.3	14.1	26.8	61.3	192.9	177.0	371.8	10.7	69.5
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	260	.4	2.1	.4	.7	1.6	5.2	5.9	11.1	(Z)	2.1
5 TO 9 EMPLOYEES	45	.3	1.7	.3	.5	1.2	3.7	5.7	9.4	(Z)	1.5
10 TO 19 EMPLOYEES	59	.8	3.7	.7	1.2	2.8	7.2	7.1	14.3	.2	2.2
20 TO 49 EMPLOYEES	80	2.5	11.1	2.0	3.8	7.7	21.4	22.3	43.6	1.0	7.7
50 TO 99 EMPLOYEES	50	3.5	16.7	2.9	5.6	11.6	30.0	29.4	60.2	1.8	11.9
100 TO 249 EMPLOYEES	27	4.0	19.2	3.2	6.2	12.7	37.6	34.8	72.3	2.0	14.3
250 TO 499 EMPLOYEES	11	5.8	33.9	4.6	8.8	23.7	87.7	71.8	160.9	5.7	29.9
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [1 e]	252	.5	2.3	.5	.7	1.7	5.4	6.2	11.6	(Z)	2.3
3993-- SIGNS AND ADVERTISING DISPLAYS [2]											
ESTABLISHMENTS, TOTAL	3 188	47.8	309.3	36.8	70.6	198.8	546.6	330.8	875.1	23.0	87.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	1 634	2.6	14.9	2.6	4.2	10.1	38.4	21.9	60.3	.6	5.1
5 TO 9 EMPLOYEES [e]	468	3.2	20.3	2.7	4.9	13.9	37.8	20.6	58.3	1.4	3.8
10 TO 19 EMPLOYEES	463	6.4	41.8	4.8	9.3	28.1	72.9	38.8	111.4	2.3	7.5
20 TO 49 EMPLOYEES	397	12.1	79.2	9.2	18.0	51.5	132.7	74.7	206.8	5.2	15.9
50 TO 99 EMPLOYEES	152	10.2	63.2	7.8	15.1	40.3	105.1	69.6	174.1	3.5	16.0
100 TO 249 EMPLOYEES	60	8.9	60.9	6.5	12.9	37.3	106.1	62.1	167.8	8.3	21.8
250 TO 499 EMPLOYEES	13	4.5	29.1	3.2	6.1	17.5	53.6	43.1	96.5	1.7	17.3
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [1 e]	1 636	3.2	17.3	3.2	5.2	11.8	41.4	24.2	65.6	.9	5.8
3994-- MORTICIANS' GOODS											
ESTABLISHMENTS, TOTAL	563	16.1	90.9	13.0	26.4	60.6	161.7	144.2	306.1	4.2	51.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	180	.3	1.7	.3	.5	1.1	3.8	4.0	8.0	.1	1.3
5 TO 9 EMPLOYEES [e]	73	.5	2.8	.4	.8	1.9	5.5	5.7	11.2	.1	1.5
10 TO 19 EMPLOYEES	99	1.4	7.4	1.1	2.2	4.9	15.2	17.8	32.9	.4	4.6
20 TO 49 EMPLOYEES	133	4.1	21.7	3.3	6.6	14.4	38.5	41.5	79.9	1.1	12.6
50 TO 99 EMPLOYEES	50	3.2	16.1	2.7	5.4	11.1	26.8	28.8	55.4	.7	8.5
100 TO 249 EMPLOYEES	24	4.0	24.1	3.4	6.9	17.0	38.6	28.1	66.6	1.8	12.7
250 TO 499 EMPLOYEES	3	2.5	17.1	1.9	4.1	10.3	33.4	18.3	52.0	.1	10.2
1,000 TO 2,499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [1 e]	197	.5	2.4	.5	.7	1.6	5.5	5.7	11.1	.1	1.8
3996-- HARD-SURFACE FLOOR COVERINGS											
ESTABLISHMENTS, TOTAL	20	6.0	43.5	4.9	10.1	33.2	133.4	90.4	221.7	20.6	41.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	6	(Z)	.1	(Z)	(Z)	.1	.3	.3	.6	[3] 20.6	.1
5 TO 9 EMPLOYEES [e]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	1	.1	.5	.1	.1	.5	2.2	.8	2.9	(D)	.4
20 TO 49 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	4	.6	4.1	.5	1.2	3.2	6.8	7.8	13.0	(D)	4.3
250 TO 499 EMPLOYEES	3	5.3	38.8	4.2	8.7	29.5	124.1	81.6	205.2	(D)	36.9
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [1]	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3999-- MANUFACTURES, NEC [2]											
ESTABLISHMENTS, TOTAL	2 211	56.6	284.4	46.6	88.1	197.2	540.6	408.7	943.3	23.5	139.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	1 018	1.6	7.2	1.6	2.8	5.2	18.7	13.2	31.9	.3	4.2
5 TO 9 EMPLOYEES [e]	313	2.1	10.2	1.9	3.2	6.9	21.3	16.3	37.4	.7	4.6
10 TO 19 EMPLOYEES	294	4.1	20.6	3.4	6.5	14.3	38.1	30.6	68.5	1.3	7.3
20 TO 49 EMPLOYEES	314	9.8	47.5	8.1	15.0	32.4	88.0	71.8	159.2	2.6	18.2
50 TO 99 EMPLOYEES	152	10.5	52.1	8.6	16.2	35.7	94.6	86.3	181.2	3.5	24.2
100 TO 249 EMPLOYEES	80	12.0	58.2	10.0	18.9	42.6	106.5	66.6	169.8	7.6	25.7
250 TO 499 EMPLOYEES	30	9.6	49.8	7.6	14.9	34.3	98.2	65.2	162.8	4.2	33.8
500 TO 999 EMPLOYEES	8	7.0	38.6	5.6	10.7	25.9	75.2	58.8	132.6	3.5	21.4
1,000 TO 2,499 EMPLOYEES [e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [1 e]	1 073	2.5	10.5	2.5	4.2	7.5	23.6	16.8	40.4	.6	5.6

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e] Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

[2] Production workers for this industry may be overstated by 1 to 2 percent. This resulted from an overestimation for administrative record class of establishments by as much as 20 percent due to an error in the imputation process. Other data were not affected.

[3] Includes an unspecified amount for plants under construction but not in operation.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
3991	Brooms and brushes.....1967..	371.8	270.8	31.5	69.5	90	295.1	270.8	24.3	92
	1963..	321.1	231.3	27.2	62.6	89	247.7	231.3	16.3	93
3993	Signs and advertising displays.....1967..	875.1	761.7	21.3	92.1	97	800.6	761.7	38.9	95
	1963..	646.8	554.9	25.7	66.2	96	583.8	554.9	28.9	95
3994	Morticians' goods.....1967..	306.1	282.0	13.9	10.2	95	288.0	282.0	6.0	98
	1963..	290.0	261.5	14.4	14.1	95	267.4	261.5	5.9	98
3996	Hard-surface floor coverings.....1967..	221.7	185.5	31.3	4.8	86	191.6	185.5	6.0	97
	1963..	204.1	165.2	37.1	1.9	82	168.1	165.2	2.9	98
3999	Manufactures, n.e.c.....1967..	943.3	826.9	51.1	65.2	94	922.4	826.9	95.5	90
	1963..	684.2	(NA)	(NA)	(NA)	(NA)	694.0	(NA)	(NA)	(NA)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry, and miscellaneous receipts	All industries	Brooms and brushes (SIC 3991)	Signs and advertising displays (SIC 3993)	Morticians' goods (SIC 3994)	Hard-surface floor coverings (SIC 3996)	Manufactures, n.e.c. (SIC 3999)	Other industries
	Total shipments and miscellaneous receipts.....	(X)	371.8	875.1	306.1	221.7	943.3	(X)
3991-	Brooms and brushes.....	295.1	270.8	-	-	-	(over 2)	(over 2)
39911	Brooms.....	37.5	32.6	-	-	-	(D)	(D)
39912	Paint and varnish brushes.....	88.6	87.4	-	-	-	(D)	(D)
39913	Other brushes.....	142.3	125.2	-	-	-	(D)	(D)
39910	Broom and brushes, n.s.k.....	26.8	25.7	-	-	-	-	1.1
3993-	Signs and advertising displays.....	800.6	-	761.7	-	-	(under 2)	(20-50)
39931	Luminous tubing and bulb signs.....	176.5	-	167.2	-	-	-	9.3
39932	Nonelectric signs and advertising displays.....	349.3	-	331.0	-	-	(D)	(D)
39933	Advertising specialties.....	115.0	-	105.8	-	-	(Z)	9.2
39930	Signs and advertising displays, n.s.k.....	159.8	-	157.6	-	-	(D)	(D)
3994-	Morticians' goods.....	288.0	-	(under 2)	282.0	-	(under 2)	5.6
39941	Metal caskets and coffins, completely lined and trimmed.	133.7	-	-	(D)	-	-	(D)
39942	Wood caskets and coffins, completely lined and trimmed..	59.8	-	-	(D)	-	-	(D)
39943	Other caskets and coffins, metal vaults, and morticians supplies.....	68.7	-	-	65.7	-	(D)	(D)
39940	Morticians' goods, n.s.k.....	25.8	-	(D)	25.5	-	-	(D)
3996-	Hard-surface floor coverings.....	191.6	-	-	-	185.5	-	6.0
39961	Linoleum.....	190.4	-	-	-	184.4	-	6.0
39962	Asphalted-felt-base and supported plastic floor covering							
39960	Hard surface floor coverings, n.s.k.....	1.2	-	-	-	1.2	-	-

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967—Continued

Product code	Class of products, industry, and miscellaneous receipts	All industries	Brooms and brushes (SIC 3991)	Signs and advertising displays (SIC 3993)	Morticians' goods (SIC 3994)	Hard surface floor coverings (SIC 3996)	Manufactures, n.e.c. (SIC 3999)	Other industries
	Total shipments and miscellaneous receipts--Continued							
3999-	Manufactured products, n.e.c.	922.4	(under 2)	(under 2)	-	-	826.9	93.4
39991	Chemical fire extinguishing equipment and parts	94.6	-	-	-	-	68.7	25.9
39992	Coin-operated amusement machines	47.7	-	-	-	-	47.6	0.1
39993	Matches	66.2	-	-	-	-	(D)	(D)
39994	Candles	55.1	-	-	-	-	52.4	2.7
39995	Lamp shades	27.4	-	-	-	-	26.0	1.4
39996	Furs, dressed and dyed	39.8	-	-	-	-	(D)	(D)
39997	Umbrellas, parasols, and canes	40.3	-	-	-	-	39.8	0.4
39999	Other miscellaneous fabricated products, n.e.c.	390.5	(D)	(D)	-	-	329.5	59.1
39990	Manufacturers, n.e.c., n.s.k.	160.9	-	(D)	-	-	159.4	(D)
	Other product shipments by 4-digit product group							
2392-	Housefurnishings, n.e.c.	(X)	9.3	(under 2)	-	-	(under 2)	(X)
2499-	Wood products, n.e.c.	(X)	(under 2)	-	(under 2)	(under 2)	(2-5)	(X)
2599-	Furniture and fixtures, n.e.c.	(X)	-	-	(over 2)	-	(under 2)	(X)
2641-	Coated and glazed paper	(X)	-	(2-5)	-	-	-	(X)
2818-	Industrial organic chemicals, n.e.c.	(X)	-	-	-	-	(over 2)	(X)
2842-	Polishes and sanitation goods	(X)	-	-	-	(over 2)	(under 2)	(X)
2891-	Adhesives and gelatins	(X)	-	-	-	(over 2)	-	(X)
3079-	Miscellaneous plastics products	(X)	(10-20)	1.4	(under 2)	(under 2)	2.1	(X)
3292-	Asbestos products	(X)	-	-	-	(over 2)	-	(X)
3429-	Hardware, n.e.c.	(X)	-	-	-	-	(2-5)	(X)
3461-	Metal stampings	(X)	(under 2)	3.7	(under 2)	-	(under 2)	(X)
3545-	Machine tool accessories	(X)	(under 2)	-	-	-	(over 2)	(X)
3841-	Surgical and medical instruments	(X)	-	-	(5-10)	-	(under 2)	(X)
	Other product shipments[1]	(X)	22.2	16.2	13.9	31.3	49.0	(X)
	Miscellaneous receipts, total	(X)	69.5	92.1	10.2	4.8	65.2	(X)
9300000	Contract work	(X)	3.3	17.3	(X)	0.1	13.0	(X)
9998013	Sales of scrap and refuse	(X)	(X)	0.5	(X)	(Z)	0.7	(X)
9998031	Receipts for installation	(X)	(X)	20.9	(X)	(X)	(X)	(X)
9998041	Receipts for research and development work	(X)	(X)	0.1	(X)	-	0.3	(X)
9998061	Receipts for repair work	(X)	(X)	25.6	(X)	(X)	0.7	(X)
9998098	Other miscellaneous receipts	(X)	0.8	2.6	0.9	-	3.8	(X)
9998900	Resales	(X)	65.5	25.1	9.3	4.7	46.7	(X)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products	
3991-	2392 Housefurnishings, n.e.c.	6.0
3991-	2842 Polishes and sanitation goods	(2-5)
3991-	2844 Toilet preparations	(2-5)
3991-	3952 Lead pencils and art goods	(over 2)
3993-	2651 Folding paperboard boxes	2.9
3993-	2653 Corrugated and solid fiber boxes	(2-5)
3993-	2752 Commercial printing, lithographic	(over 2)
3993-	3079 Miscellaneous plastics products	5.2
3993-	3461 Metal stampings	2.2
3993-	3613 Switchgear and switchboard apparatus	(over 2)
3993-	3699 Electrical equipment, n.e.c.	(over 2)

Product code	Class of products, industry, and miscellaneous receipts	Other industries
	Listing of the other industries with over $2 million shipments of the primary products--Continued	
3993-	3941 Games and toys	(over 2)
3996-	3079 Miscellaneous plastics products	(over 2)
3999-	2297 Scouring and combing plants	(over 2)
3999-	2731 Book publishing	(2-5)
3999-	2844 Toilet preparations	6.7
3999-	3551 Food products machinery	(2-5)
3999-	3634 Electric housewares and fans	(10-20)
3999-	3711 Motor vehicles	(over 2)
3999-	3729 Aircraft equipment, n.e.c.	(10-20)
3999-	3951 Pens and mechanical pencils	(over 2)
3999-	3964 Needles, pins, and fasteners	6.3

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (z) Under 50 thousand.

[1] Includes, where appropriate, values for those 4-digit product groups for which either the symbol "D" or a value range, e.g. (2-5), (under 2), etc. appear above.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3991- --	BROOMS AND BRUSHES, TOTAL	.....	(X)	295.1	(X)	247.7
39911 --	Brooms, total	.....	(X)	37.5	(X)	38.0
39911 13	Household floor brooms	1,000 doz.	1,892.0	23.6	1,765.2	20.5
39911 98	Other brooms (industrial brooms, whiskbrooms, toy brooms, hearth brooms, streetsweeping machine brooms, street brooms, stable brooms, etc.)	.....	(X)	10.9	(X)	12.7
39911 00	Brooms, n.s.k.	.....	(X)	3.0	(X)	4.8
39912 --	Paint and varnish brushes, total	.....	(X)	88.6	(X)	73.6
	Whitewash, kalsomine, paperhanging, marking and stenciling brushes:					
39912 11	Made of pure bristle	1,000 doz.	3,981.0	30.1	3,731.4	29.1
39912 31	Made of synthetic bristle	...do.	5,339.0	28.4	2,592.1	23.5
39912 51	Made of other materials including mixtures	...do.	675.1	3.7	498.0	2.4
39912 71	Paint rollers complete units	1,000 doz. units	(NA)	26.5	1,739.8	16.4
39912 00	Paint and varnish brushes, n.s.k.	.....	(X)	-	(X)	2.2
39913 --	Other brushes, total	.....	(X)	142.3	(X)	126.0
39913 11	Artists' brushes and hair pencils, except artists' airbrushes	1,000 doz.	(NA)	6.8	(NA)	5.4
	Personal brushes:					
39913 21	Toothbrushes	...do.	17,213.5	22.4	14,376.2	21.8
39913 27	Hairbrushes	...do.	(NA)	21.4	2,060.6	17.4
39913 29	Other, including shaving brushes	.....	(X)	6.1	(X)	3.3
	Maintenance brushes; floor sweeps and brushes; scrub brushes, dusting brushes, window brushes, etc. (excluding twisted-in-wire brushes):					
39913 35	Household	.....	(X)	18.8	(X)	14.1
39913 37	Industrial	.....	(X)	17.1	(X)	14.1
39913 43	Industrial brushes, except maintenance, including power-driven rotary, end, cup, jewelers' and dentists' brushes, etc.	.....	(X)	25.3	(X)	22.3
39913 51	Twisted-in-wire brushes (all types)	.....	(X)	11.9	(X)	12.7
39913 98	Other brushes	.....	(X)	10.6	(X)	9.8
39913 00	Other brushes, n.s.k.	.....	(X)	1.8	(X)	5.1
39910 00	Brooms and brushes, n.s.k. (For companies with 10 or more employees. See Note.)	.....	(X)	15.2	(X)	10.1
39910 02	Brooms and brushes, n.s.k. (For companies with less than 10 employees. See Note.)	.....	(X)	11.6		

Product code	Product	Value of shipments including interplant transfers (million dollars)	
		1967	1963
3993- --	SIGNS AND ADVERTISING DISPLAYS, TOTAL	800.6	583.8
39931 11	Luminous tubing, fluorescent lamp and incandescent bulb signs (electric)	176.5	144.5
39932 --	Nonelectric signs and advertising displays, total	349.3	302.3
	Metal signs, by any application process, including point-of-sale signs, road signs, truck signs, highway and street markers, and all other metal signs:		
39932 11	Porcelain enameled	77.5	9.0
39932 19	All other metal signs		50.6
	Signs other than metal:		
39932 23	Screen printed	24.4	24.6
39932 25	Other	15.6	
	Window, backbar, counter and lobby cutouts and displays:		
39932 33	Screen printed	34.2	52.7
39932 35	Other	26.7	
	All other signs and advertising displays, including sign letters:		
39932 93	Screen printed	118.9	138.9
39932 95	Other	40.3	
39932 00	Nonelectric signs and advertising displays, n.s.k.	11.8	26.5

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of shipments including interplant transfers (million dollars) 1967	1963
3993- --	SIGNS AND ADVERTISING DISPLAYS--Continued		
39933 11	Advertising specialties	115.0	83.7
39930 00	Signs and advertising displays, n.s.k. (For companies with 10 or more employees. See Note.)	94.7	53.3
39930 02	Signs and advertising displays, n.s.k. (For companies with less than 10 employees. See Note.)	65.1	

Product code	Product	Unit of measure	Total shipments including interplant transfers 1967 Quantity	1967 Value (million dollars)	1963 Quantity	1963 Value (million dollars)
3994- --	MORTICIANS' GOODS, TOTAL	...	(X)	288.0	(X)	267.4
39941 11	Metal caskets and coffins, completely lined and trimmed	1,000 units	907.5	133.7	824.8	123.6
39942 --	Wood caskets and coffins, completely lined and trimmed, total	...	(X)	59.8	(X)	67.3
39942 11	Cloth covered	1,000 units	454.5	31.1	565.1	36.3
39942 52	Hard finished	...do	208.3	28.7	203.7	27.2
39942 00	Wood caskets,and coffins, completely lined and trimmed, n.s.k.	...	-	-	(X)	3.8
39943 --	Other caskets and coffins, metal vaults, and morticians' supplies, total	...	(X)	68.7	(X)	64.1
39943 11	Caskets and coffins, other than metal or wood, completely lined and trimmed (glass fibrous material, plastic, masonite, etc.)	1,000 units	(NA)	2.3	(NA)	3.5
	Casket shells, KD and SU, caskets unlined or untrimmed:					
39943 31	Metal	...do	469.8	26.8		
39943 55	Wood	...do	222.8	8.5	(NA)	28.0
39943 21	Other caskets (plastic, glass fibrous materials, masonite, etc.)	...do	(NA)	0.3		
39943 91	Metal burial vaults (12 gauge or heavier), excluding shipping cases	...do	113.9	10.2	108.0	9.6
39943 98	Other morticians' supplies, including burial boxes, burial vaults, except metal and concrete, embalming chemicals, burial garments, casket shipping containers and cases, innerliners sold as such, and morticians' equipment and supplies	...do	(NA)	20.6	(NA)	22.2
39943 00	Other caskets and coffins, metal vaults, and morticians' supplies, n.s.k.	...	-	-	(X)	0.8
39940 00	Morticians' goods, n.s.k. (For companies with 10 or more employees. See Note.)	...	(X)	14.7	(X)	12.4
39940 02	Morticians' goods, n.s.k. (For companies with less than 10 employees. See Note.)	...	(X)	11.1		

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	1967			1963		
			Production for all purposes (quantity)	Total shipments, including interplant transfers		Production for all purposes (quantity)	Total shipments, including interplant transfers	
				Quantity	Value (million dollars)		Quantity	Value (million dollars)
3996- --	HARD-SURFACE FLOOR COVERINGS	...	(X)	(X)	191.6	(X)	(X)	168.1
39961 --	Linoleum	...	(X)	(X)	190.4	(X)	(X)	33.7
39962 --	Asphalted-felt-base and supported plastic floor covering	...				(X)	(X)	133.6
	Linoleum:							
39961 11	Sheet goods	Mil. sq. ft.				21.3	23.3	33.7
39961 31	Tile	...do...						
	Asphalted-felt-base and supported plastic floor coverings:		(X)	(X)	[1]30.8			
	Floor covering:							
	Enamel coated or printed:							
39962 11	Border rugs	Mil. sq. yds.				53.0	56.7	14.9
39962 21	Sheet goods	...do...				13.5	11.9	3.7
39962 31	Plastic coated or plastic printed border rugs and sheet goods, including rotogravure printed	...do...	140.1	135.9	91.8	77.2	77.1	44.3
39962 41	Other asphalted-felt-base floor covering	...do...	(X)	([1])	([1])	4.6	5.4	2.5
39962 51	Wall covering	...do...						
	Plastic floor, wall, and counter covering:							
	Supported, including scrap vinyl backed:							
39962 61	Sheet goods	...do...	28.3	27.5	67.8	30.7	28.6	65.2
39962 65	Tile	...do...				1.6	1.6	2.6
39962 00	Asphalted-felt-base and supported plastic floor covering, n.s.k.	...	(X)	(X)	-	(X)	(X)	0.4
39960 00	Hard surface floor coverings, n.s.k. (For companies with 10 or more employees. See Note.)	...	(X)	(X)	1.0	(X)	(X)	0.7
39960 02	Hard surface floor coverings, n.s.k. (For companies with less than 10 employees. See Note.)	...	(X)	(X)	0.2			

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3999- --	MANUFACTURED PRODUCTS, N.E.C., TOTAL	...	(X)	922.4	(X)	694.0
39991 --	Chemical fire extinguishing equipment and parts, total	...	(X)	94.6	(X)	52.3
	Hand portable extinguishers meeting the specifications of Underwriters' Laboratories and Factory Mutual Laboratories:					
39991 11	Soda-acid	1,000 units	208.5	2.6	112.3	1.4
39991 13	Carbon-dioxide	...do...	1,166.0	17.3	408.6	8.7
39991 15	Vaporizing liquid (carbon-tetrachloride base)	...do...	([2])	([2])	92.4	0.7
39991 17	Dry chemical fire extinguishers	...do...	2,996.4	32.2	1,056.1	13.3
39991 18	Pressurized water	...do...	483.0	7.2	91.8	2.7
39991 19	Other extinguishers, including foam	...do...	[2]521.7	[2]7.2	109.9	1.2
39991 29	All other hand portable extinguishers	...do...	(NA)	0.3	274.8	2.5
	Other chemical fire extinguishing equipment and parts:					
39991 51	Two-wheeled chemical fire engines	...do...	10.3	3.4	7.7	1.9
39991 61	Fixed systems, excluding water sprinkler systems	...	(X)	9.8	(X)	6.0
39991 71	Parts and attachments for chemical fire-extinguishing equipment	...	(X)	8.2	(X)	9.6
39991 00	Chemical fire extinguishing equipment and parts, n.s.k.	...	(X)	6.4	(X)	4.2
39992 --	Coin-operated amusement machines, total	...	(X)	47.7	(X)	30.0
39992 12	Pin ball machines, and bell type machines and consoles	1,000 units	75.6	31.7	56.7	19.0
39992 98	Other amusement machines, including strength testing, skill games, and other arcade pieces	...do...	(NA)	16.0	(NA)	11.0

See footnotes at end of table.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Unit of measure	Total shipments including interplant transfers			
			1967		1963	
			Quantity	Value (million dollars)	Quantity	Value (million dollars)
3999- --	MANUFACTURED PRODUCTS, N.E.C.--Continued					
39993 --	Matches, total	...	(X)	66.2	(X)	64.8
	Wooden stem:					
39993 12	Packed in boxes of over 100 matches	Billion matches	18.3	3.3	(NA)	3.8
	Packed in boxes of not over 100 matches:					
39993 31	Strike anywhere	...do...	55.8	7.8	15.0	2.7
39993 35	Strike on box	...do...			(NA)	5.8
39993 61	Paper stem, packed in books or otherwise	...do...	(NA)	55.0	243.0	52.0
39993 00	Matches, n.s.k.	...	(X)	0.1	(X)	0.4
39994 11	Candles, including tapers	...	(X)	55.1	(X)	43.7
39995 11	Lamp shades	...	(X)	27.4	(X)	35.9
39996 11	Furs, dressed and dyed	...	(X)	[3]39.8	(X)	[3]43.6
39997 --	Umbrellas, parasols, and canes	...	(X)	40.3	(X)	34.1
39997 13	Umbrellas and parasols	...	(X)	40.3	(X)	34.1
39997 15	Canes	...				
39999 --	Other miscellaneous fabricated products, total	...	(X)	390.5	(X)	327.6
39999 06	Barber and beauty chairs	1,000 units...	(NA)	16.1	(X)	42.3
39999 07	Hair clippers, for human use, hand and electric	...	(X)	9.7		
39999 09	Other barber and beauty shop furniture and equipment	...	(X)	16.4		
39999 13	Beauty and barber shop accessories, including hair curlers, pads, and wraps	...	(X)	14.4	(X)	8.6
39999 21	Hair work, switches, toupees, wigs	1,000 units...	(NA)	32.0	(NA)	19.6
39999 42	Tobacco pipes	...do...	9,872.1	14.6	9,647.0	13.6
39999 43	Cigar and cigarette holders	...do...	(NA)	0.7	(NA)	1.6
39999 44	Cigar and cigarette lighters (except precious metal and electric)	Million units..	(NA)	37.2	26.5	28.7
39999 51	Christmas tree ornaments and decorations (except glass and electrical)	...do...	(NA)	21.3	(X)	16.0
39999 98	Miscellaneous fabricated products, n.e.c.	...	(X)	215.3	(X)	181.6
39999 00	Other miscellaneous products, n.s.k.	...	(X)	12.9	(X)	15.8
39990 00	Miscellaneous products, n.e.c., n.s.k. (For companies with 10 or more employees. See Note.)	...	(X)	119.7	(X)	62.0
39990 02	Miscellaneous products, n.e.c., n.s.k. (For companies with less than 10 employees. See Note.)	...	(X)	41.2		

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e]From 10 to 30 percent of this figure was estimated.

[1]1967 data for product code 3996241, "Other asphalted-felt-base floor covering" and product code 3996251, "Wall covering" are included with product codes 3996111, 3996131, 3996211, and 3996221 to avoid disclosing figures of individual companies.

[2]Data for 1967 for product code 3999115, "Vaporizing liquid (carbon-tetrachloride base)," has been combined with product code 3999119, "Other extinguishers, including foam."

[3]Includes the value for work done on materials owned by others.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

In millions of dollars. Statistics are shown for selected product classes which are economically significant and which have production that is geographically dispersed, provided that the dispersion is not approximated by the data in the geographic table for the industry (table 2) and they are not miscellaneous or "not specified by type" classes. Product class values for some States are withheld to avoid disclosing figures for individual companies. Such States are shown with a value range.

Product class and geographic area	Value of shipments	
	1967	1963
PAINT AND VARNISH BRUSHES (39912)		
United States	88.6	73.6
Northeast Region	42.3	40.6
New England Div.	10.7	9.3
Massachusetts	CC	(1)
Middle Atlantic Div.	31.6	31.3
New York	19.2	18.4
New Jersey	CC	10.6
Pennsylvania	BB	2.3
North Central Region	27.3	23.4
East North Central Div.	FF	(D)
Ohio	EE	(1)
Indiana	AA	(1)
Illinois	BB	3.3
Wisconsin	CC	(1)
West North Central Div.	AA	(D)
South Region	14.3	6.4
South Atlantic Div.	EE	(D)
Maryland	8.4	(1)
Georgia	AA	(D)
Florida	AA	(D)
East South Central Div.	BB	(D)
Kentucky	AA	(D)
Tennessee	AA	(1)
West Region	4.7	3.2
Pacific Div.	4.7	3.2
Oregon	AA	(1)
California	BB	(1)
OTHER BRUSHES (39913)		
United States	142.3	126.0
Northeast Region	76.5	76.0
New England Div.	35.5	28.4
New Hampshire	BB	(1)
Massachusetts	FF	20.9
Connecticut	EE	(1)
Middle Atlantic Div.	41.1	47.6
New York	29.6	37.7
New Jersey	8.9	8.0
Pennsylvania	2.6	1.9
North Central Region	48.5	37.1
East North Central Div.	40.5	29.0
Ohio	18.5	14.3
Illinois	15.6	9.7
Michigan	2.0	(1)
Wisconsin	4.0	2.6
West North Central Div.	8.0	8.1
Iowa	CC	(1)
Nebraska	AA	(D)
South Region	12.1	10.3
South Atlantic Div.	9.6	(D)
Maryland	CC	(1)
North Carolina	AA	(D)
East South Central Div.	AA	(D)
Kentucky	AA	(1)

Product class and geographic area	Value of shipments	
	1967	1963
OTHER BRUSHES (39913)--Continued		
West Region	5.1	2.7
Pacific Div.	5.1	(D)
California	CC	2.4
LUMINOUS TUBING AND BULB SIGNS (39931)		
United States	176.5	144.5
Northeast Region	28.2	26.3
New England Div.	4.7	6.8
Massachusetts	3.8	4.4
Middle Atlantic Div.	23.5	19.4
New York	15.3	12.2
New Jersey	2.8	4.6
Pennsylvania	5.5	2.7
North Central Region	68.0	58.1
East North Central Div.	55.7	46.6
Ohio	17.3	14.1
Indiana	7.4	5.7
Illinois	15.5	13.8
Michigan	6.1	3.0
Wisconsin	9.3	10.0
West North Central Div.	12.3	11.5
Minnesota	CC	7.2
Iowa	2.2	(D)
Missouri	2.0	2.0
South Region	33.2	21.2
South Atlantic Div.	12.8	10.4
Maryland	2.3	1.6
South Carolina	BB	1.0
Georgia	1.7	1.4
Florida	4.2	3.3
East South Central Div.	11.7	3.5
Kentucky	1.2	(D)
Tennessee	8.0	1.7
Alabama	2.0	(D)
West South Central Div.	8.6	7.3
Louisiana	1.4	1.3
Oklahoma	2.8	(D)
Texas	4.3	5.2
West Region	47.2	38.9
Mountain Div.	7.5	7.7
Colorado	1.9	2.4
Utah	3.6	2.0
Pacific Div.	39.7	31.2
Washington	3.9	3.1
Oregon	BB	1.3
California	33.4	26.6
NONELECTRIC SIGNS AND ADVERTISING DISPLAYS (39932)		
United States	349.3	302.3
Northeast Region	107.9	104.8
New England Div.	13.9	9.7
Massachusetts	6.1	4.8
Rhode Island	4.6	1.6
Connecticut	2.4	2.1

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments	
	1967	1963
NONELECTRIC SIGNS AND ADVERTISING DISPLAYS (39932)--Continued		
Northeast Region--Continued		
Middle Atlantic Div.	94.0	95.2
New York	61.5	64.6
New Jersey	13.1	11.7
Pennsylvania	19.3	18.8
North Central Region	148.5	127.1
East North Central Div.	121.2	106.9
Ohio	28.1	22.6
Indiana	7.5	6.0
Illinois	53.7	50.3
Michigan	17.6	15.7
Wisconsin	14.3	12.2
West North Central Div.	27.3	20.2
Minnesota	10.5	7.1
Iowa	BB	1.3
Missouri	8.2	9.0
Nebraska	AA	(D)
Kansas	3.7	2.1
South Region	61.9	37.5
South Atlantic Div.	19.1	18.2
Maryland	4.6	2.5
Virginia	3.8	4.1
North Carolina	1.9	1.7
South Carolina	1.4	2.4
Georgia	2.6	2.1
Florida	4.0	4.1
East South Central Div.	25.2	7.2
Kentucky	BB	1.9
Tennessee	18.0	3.0
Alabama	BB	(D)
West South Central Div.	17.6	12.1
Arkansas	2.0	1.4
Texas	14.5	8.3
West Region	31.0	32.9
Mountain Div.	4.1	4.8
Colorado	1.8	1.7
Pacific Div.	26.9	28.1
Washington	3.6	2.2
Oregon	1.9	2.5
California	21.2	23.3
ADVERTISING SPECIALTIES (39933)		
United States	115.0	83.7
Northeast Region	49.8	35.6
New England Div.	9.2	7.5
Massachusetts	CC	6.4
Connecticut	BB	(D)
Middle Atlantic Div.	40.6	28.1
New York	26.1	19.9
New Jersey	9.0	5.2
Pennsylvania	5.5	3.0
North Central Region	51.8	34.6
East North Central Div.	28.1	19.7
Ohio	BB	7.7
Indiana	1.6	(D)
Illinois	9.9	6.3
Michigan	BB	4.1
Wisconsin	6.8	(1)
West North Central Div.	23.7	14.9
Minnesota	CC	5.6
Iowa	CC	(1)
Missouri	9.6	(1)
ADVERTISING SPECIALTIES (39933)--Continued		
South Region	6.5	5.8
South Atlantic Div.	1.5	(D)
East South Central Div.	3.6	(D)
Tennessee	BB	(1)
West South Central Div.	1.4	(D)
Texas	1.0	1.8
West Region	6.9	7.7
Pacific Div.	CC	(D)
California	6.7	6.1
METAL CASKETS AND COFFINS, LINED AND TRIMMED (39941)		
United States	133.7	123.6
Northeast Region	22.2	24.0
New England Div.	3.0	3.3
Massachusetts	BB	2.5
Middle Atlantic Div.	19.1	20.7
New York	BB	2.5
New Jersey	AA	(1)
Pennsylvania	15.2	17.2
North Central Region	70.7	63.2
East North Central Div.	63.6	56.0
Ohio	11.0	11.1
Indiana	32.7	23.5
Illinois	13.6	23.5
Michigan	3.4	3.4
Wisconsin	2.9	2.6
West North Central Div.	7.1	7.2
Minnesota	1.5	1.6
Iowa	1.7	1.7
Missouri	3.1	2.8
South Region	32.4	28.6
South Atlantic Div.	13.2	13.0
West Virginia	AA	(1)
North Carolina	2.3	1.8
South Carolina	1.9	1.5
Georgia	4.7	6.2
Florida	AA	1.3
East South Central Div.	10.0	7.5
Kentucky	2.5	(1)
Tennessee	5.5	5.9
Alabama	AA	1.0
West South Central Div.	9.2	8.1
Arkansas	1.7	(1)
Louisiana	1.1	(1)
Oklahoma	1.1	(1)
Texas	5.3	4.7
West Region	8.4	7.9
Mountain Div.	1.3	1.3
Pacific Div.	7.1	6.6
Washington	AA	(1)
California	5.4	5.0
WOOD CASKETS AND COFFINS, LINED AND TRIMMED (39942)		
United States	59.8	67.3
Northeast Region	24.8	25.9
New England Div.	7.4	8.4
Massachusetts	6.1	4.7

See footnotes at end of table.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963—Continued

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
WOOD CASKETS AND COFFINS, LINED AND TRIMMED (39942)--Continued		
Northeast Region--Continued		
Middle Atlantic Div.	17.3	17.5
New York	9.7	10.6
Pennsylvania	CC	5.7
North Central Region	9.5	12.1
East North Central Div.	7.1	8.4
Ohio	1.5	1.8
Indiana	2.3	2.6
Illinois	1.6	2.6
Michigan	1.1	(1)
West North Central Div.	2.4	3.7
South Region	15.5	17.9
South Atlantic Div.	5.2	7.9
North Carolina	1.7	3.0
Georgia	1.2	1.8
Florida	1.1	1.1
East South Central Div.	4.1	4.5
Tennessee	1.9	2.4
Mississippi	1.2	(1)
West South Central Div.	6.2	5.5
Arkansas	2.1	1.7
Texas	2.8	2.3
West Region	10.1	11.5
Mountain Div.	1.2	1.4
Pacific Div.	8.9	10.1
Washington	AA	1.8
California	7.2	5.0
OTHER CASKETS/COFFINS, METAL VAULTS, MORTICIANS' GOODS (39943)		
United States	68.7	64.1
Northeast Region	14.0	13.2
New England Div.	6.3	2.5
New Hampshire	BB	(1)
Massachusetts	2.1	(1)
Connecticut	AA	1.5
Middle Atlantic Div.	7.7	10.7
New York	BB	3.1
Pennsylvania	4.6	6.8
North Central Region	38.0	35.7
East North Central Div.	32.7	31.4
Ohio	10.1	9.6
Indiana	14.0	11.5
Illinois	8.3	8.7

Product class and geographic area	Value of shipments 1967	Value of shipments 1963
OTHER CASKETS/ COFFINS' METAL VAULTS, MORTICIANS' GOODS (39943)--Continued		
North Central Region--Continued		
West North Central Div.	5.2	4.3
Missouri	4.0	3.0
South Region	12.1	9.7
South Atlantic Div.	1.8	2.1
East South Central Div.	7.5	4.1
Kentucky	AA	(1)
Tennessee	3.6	2.1
Alabama	1.8	1.4
West South Central Div.	2.8	3.5
Texas	2.0	2.2
West Region	4.7	5.5
Pacific Div.	4.5	(D)
California	3.9	4.4
CHEMICAL FIRE EXTINGUISHING EQUIPMENT AND PARTS (39991)		
United States	94.6	52.3
Northeast Region	42.9	22.2
New England Div.	BB	(D)
Massachusetts	AA	(1)
Connecticut	BB	(D)
Middle Atlantic Div.	FF	(D)
New York	9.3	(1)
New Jersey	26.6	15.3
Pennsylvania	BB	(D)
North Central Region	41.9	24.8
East North Central Div.	FF	(D)
Ohio	CC	(1)
Illinois	EE	(1)
Wisconsin	EE	(1)
South Region	BB	(D)
South Atlantic Division	BB	(D)
West Virginia	BB	(D)
West Region	CC	(D)
Pacific Div.	CC	(D)
California	CC	(1)

Note: Product class shipments of $1 million or more were reported but exact figures are withheld to avoid disclosing figures for individual companies. However, for such States, the values are shown in the following ranges:

Value ranges (million dollars)	Symbol	Value ranges (million dollars)	Symbol
Less than $2.0	AA	$10.0 to $20.0	EE
$2.0 to $5.0	BB	$20.0 to $50.0	FF
$5.0 to $10.0	CC	$50.0 and over	GG

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]This State or division was not shown as a separate line in table 6D in the 1963 report for this industry. A footnote to the 1963 table 6D showed those States with $1 million or more reported shipments.

TABLE 6C. Product Classes–Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In million of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
3991-	Brooms and brushes	295.1	288.1	294.0	275.0	247.7	208.1	180.7	171.8
39911	Brooms	37.5	43.3	40.6	45.2	38.0	33.7	36.7	27.9
39912	Paint and varnish brushes	88.6	87.4	85.6	77.6	73.6	60.7	56.8	54.6
39913	Other brushes	142.3	145.6	155.4	141.2	126.0	103.4	84.7	82.3
39910	Brooms and brushes, n.s.k.	26.8	11.7	12.4	(11.0)	10.1	10.3	2.6	7.1
3993-	Signs and advertising displays	800.6	736.2	677.0	660.7	583.8	407.9	329.9	210.7
39931	Luminous tubing and bulb signs	176.5	174.1	173.9	159.8	144.5	99.9	82.1	53.6
39932	Nonelectric signs and advertising displays	349.3	379.9	330.5	325.5	302.3	193.5	178.5	99.6
39933	Advertising specialties	115.0	125.7	103.7	(107.2)	83.7	64.4	42.2	25.0
39930	Signs and advertising displays, n.s.k.	159.8	(56.4)	(68.9)	(68.2)	53.3	50.3	27.1	32.5
3994-	Morticians' goods	288.0	294.9	276.3	257.0	267.4	217.7	164.4	173.1
39941	Metal caskets and coffins, completely lined and trimmed	133.7	160.9	143.2	114.1	123.6	85.2	65.0	62.3
39942	Wood caskets and coffins, completely lined and trimmed	59.8	(57.2)	(59.1)	65.2	67.3	70.0	65.9	67.2
39943	Other caskets and coffins, metal vaults, and morticians' supplies	68.7	(66.6)	66.2	62.9	64.1	53.2	30.1	39.5
39940	Morticians' goods, n.e.c.	25.8	(10.2)	7.8	(14.8)	12.4	9.3	3.4	4.1
3996-	Hard-surface floor coverings	191.6	194.6	192.3	179.2	168.1	151.9	154.8	153.4
39961	Linoleum	190.4	30.2	35.1	34.1	33.7	47.8	84.7	67.2
39962	Asphalted-felt-base and supported plastic floor covering		163.9	156.4	144.1	133.6	102.6	70.1	86.2
39960	Hard surface floor coverings, n.s.k.	1.2	0.5	0.8	0.9	0.7	1.5	-	-
3999-	Manufactured products, n.e.c.	922.4	789.0	795.3	722.2	694.0	554.2	473.4	450.4
39991	Chemical fire extinguishing equipment and parts	94.6	57.1	55.1	54.4	52.3	46.8	44.5	33.5
39992	Coin-operated amusement machines	47.7	30.0	26.7	36.8	30.0	39.1	47.7	47.9
39993	Matches	66.2	60.8	65.2	64.6	64.8	68.0	61.2	56.4
39994	Candles	55.1	50.9	48.1	46.3	43.7	31.7	27.4	18.7
39995	Lamp shades	27.4	(39.9)	(37.8)	37.2	35.9	33.8	37.1	27.3
39996	Furs, dressed and dyed[2]	39.8	(42.4)	(50.7)	41.1	43.6	28.9	6.3	24.8
39997	Umbrellas, parasols, and canes	40.3	(36.2)	32.5	34.0	34.1	34.7	32.4	32.7
39999	Other miscellaneous fabricated products	390.5	423.8	409.5	344.7	327.6	271.2	216.7	209.1
39990	Manufactured products, n.e.c.	160.9	47.9	69.7	63.1	62.0			

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]For 1963-1967, and 1958 includes receipts for work done on materials owned by others. Such receipts are excluded in other years.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 3996.--HARD-SURFACE FLOOR COVERING					
	Materials, containers, and supplies, total	.....	(X)	83.8	(X)	76.0
149901	Asbestos, crude, including fiber	1,000 short tons.	(1)	(1)	21.6	1.6
209010	Vegetable oils, including crude and processed	Million lbs.	(1)	(1)	34.7	2.9
282137	Vinyl and vinyl copolymer resins, all forms	...do.	(1)	(1)	70.5	12.1
281012	Pigment, organic and inorganic	...do.	29.6	5.1	27.4	6.5
970099	All other materials, parts, containers, and supplies	.....	(X)	78.3	(X)	51.9
976000	Materials, containers, supplies, n.s.k.[2]	.....	(X)	0.4	(X)	1.1
	INDUSTRY 3999.--MANUFACTURES, N.E.C.					
	Materials, parts, containers, and supplies, total	.....	(X)	357.4	(X)	[3]274.1
	Mill shapes and forms:					
331001	Carbon steel	1,000 short tons.	29.3	7.0	19.5	4.7
331020	Alloy steel	...do.	7.4	3.7	4.7	2.0
331031	Stainless steel	...do.	7.3	6.5	4.1	3.9
335208	Aluminum and aluminum-base alloy	Million lbs.	5.9	3.7	3.6	2.2
335121	Copper and copper-base alloy	...do.	11.1	8.5	3.9	3.0
336200	Copper and copper-base alloy castings (rough and semifinished)[4]	...do.	3.7	3.5	4.0	2.2
970099	All other materials and components, parts, containers, and supplies consumed	.....	(X)	164.4	(X)	115.3
976000	Materials, parts, containers, and supplies, n.s.k.[2]	.....	(X)	160.1	(X)	[3]140.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Included with material code 970099, "All other materials and components, etc." to avoid disclosing figures for individual companies.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967 this includes estimates for companies that were not mailed report forms.

[3]Includes $87.4 million cost of materials for establishments previously classified in industries relating to matches, candles, lamp shades, furs (dressed and dyed), and umbrellas, parasols and canes. These were separate industries for 1963 for which no detailed materials data were available.

[4]No data are available on the quantities of copper and copper-base alloy castings produced and consumed in the same establishment.

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Product	Item	Unit of measure	Signs and advertising displays (SIC 3993)
	Cost of purchased fuels and electric energy, total	Million dollars.	7.1
	Cost of purchased fuels, total	...do.	2.8
	Purchased electric energy:		
	Quantity	Million kw.-hrs.	228.2
	Cost	Million dollars.	4.3
	Quantity of electric energy generated less quantity sold	Million kw.-hrs.	-
	Total energy used for heat and power[1]	Million kw.-hrs. equiv.	1,715.0

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available.
(D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt-hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization—the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization—the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)
3991	BROOMS AND BRUSHES										
	ENTIRE INDUSTRY	533	17.3	88.3	14.1	26.8	61.3	192.9	177.0	371.8	10.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	508	13.7	71.0	11.2	21.4	47.9	137.9	125.4	264.2	8.7
39911	BROOMS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	86	2.8	10.5	2.4	4.4	8.2	17.7	21.2	38.9	.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	65	1.8	6.5	1.5	2.8	5.2	11.0	12.7	23.8	.3
39912	PAINT AND VARNISH BRUSHES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	51	4.1	23.2	3.3	6.5	15.2	45.3	48.9	95.3	1.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	45	3.6	20.4	2.9	5.8	13.5	39.2	42.3	82.8	1.4
39913	OTHER BRUSHES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	95	8.5	46.8	6.8	13.0	31.9	115.5	91.1	207.3	8.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	81	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3993	SIGNS AND ADVERTISING DISPLAYS										
	ENTIRE INDUSTRY	3 188	47.8	309.3	36.8	70.6	198.8	546.6	330.8	875.1	23.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	3 136	45.3	293.8	34.8	66.7	189.1	521.6	313.6	832.7	22.4
39931	LUMINOUS TUBING AND BULB SIGNS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	377	11.5	84.7	8.1	15.9	55.0	146.8	73.3	219.4	10.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	286	9.5	71.5	6.7	13.1	46.3	125.9	63.2	188.5	9.6
39932	NONELECTRIC SIGNS AND ADVERTISING DISPLAYS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	601	19.2	126.9	14.4	28.5	78.4	221.0	150.1	370.1	7.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	511	16.3	107.3	12.3	24.2	66.0	188.7	124.9	312.7	5.9
39933	ADVERTISING SPECIALTIES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	181	7.2	42.6	5.5	10.7	27.2	72.6	46.8	119.0	2.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	155	6.1	36.0	4.7	9.1	23.2	62.1	39.8	101.6	1.8
3994	MORTICIANS' GOODS										
	ENTIRE INDUSTRY	563	16.1	90.9	13.0	26.4	60.6	161.7	144.2	306.1	4.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	559	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39941	METAL CASKETS AND COFFINS, LINED AND TRIMMED										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	164	9.0	52.2	7.1	14.8	33.9	91.5	79.0	171.2	2.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	75	3.6	20.3	2.9	6.0	13.6	35.1	28.9	64.2	.9
39942	WOOD CASKETS AND COFFINS, LINED AND TRIMMED										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	80	2.9	15.5	2.3	4.7	10.7	25.2	27.1	51.9	.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	23	.9	5.0	.7	1.5	3.6	8.3	6.8	14.9	.4
39943	OTHER CASKETS/COFFINS, METAL VAULTS, MORT. GOODS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	81	2.9	16.8	2.4	4.7	11.8	31.9	24.7	56.4	1.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	75	2.8	16.2	2.3	4.5	11.4	30.4	23.5	53.6	1.0
3996	HARD SURFACE FLOOR COVERINGS										
	ENTIRE INDUSTRY	20	6.0	43.5	4.9	10.1	33.2	133.4	90.4	221.7	20.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3999	MANUFACTURED PRODUCTS, NEC										
	ENTIRE INDUSTRY	2 211	56.6	284.4	46.6	88.1	197.2	540.6	408.7	943.3	23.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	2 119	49.1	247.9	40.7	77.2	173.8	469.2	352.6	816.4	20.6
39991	CHEMICAL FIRE EXTINGUISHING EQUIPMENT AND PARTS										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	22	2.4	16.3	1.6	3.3	9.1	45.4	44.1	87.8	2.8
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39992	COIN-OPERATED AMUSEMENT MACHINES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	9	3.1	17.7	2.8	5.4	13.0	27.2	24.4	51.9	.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39993	MATCHES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	21	4.4	24.7	3.5	6.9	17.7	41.0	24.5	65.7	1.0
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	20	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39994	CANDLES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	46	3.6	16.3	2.7	5.0	9.8	33.7	24.1	57.0	1.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	44	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39995	LAMP SHADES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	54	2.2	9.0	1.8	3.4	6.1	15.1	12.1	27.2	.2
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	51	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39996	FURS, DRESSED, AND DYED										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	36	2.3	19.4	1.9	3.7	15.6	29.6	9.4	38.8	.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39997	UMBRELLAS, PARASOLS, AND CANES										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	49	2.2	10.0	1.9	3.7	7.5	20.7	25.5	44.8	.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	46	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
39999	OTHER MISCELLANEOUS FABRICATED PRODUCTS, NEC										
	(PRIMARY PRODUCT CLASS OF ESTABLISHMENT)	435	21.7	111.5	17.6	34.0	75.8	217.7	169.1	385.2	13.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION	395	18.2	90.8	14.9	28.6	63.5	180.6	140.4	320.5	11.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

Ordnance and Accessories

19A Ordnance and accessories

For 1953 and earlier years, data for Major Group 19, Ordnance and Accessories, are included with Major Group 39 in table 1.

For 1954 and subsequent years Major Group 19 data are published separately. However, in some tables within these volumes, data for Major Group 19 are given both separately and combined with Major Group 39.

Major Group 19 covers establishments primarily engaged in manufacturing artillery, small arms, and related equipment; ammunition; tanks and specialized tank parts; sighting and fire control equipment; and, miscellaneous ordnance and accessories, not elsewhere classified.

TABLE 1. General Statistics: 1967 and Earlier Years

(See Appendix, Explanation of Terms)

Year and item	Establishments		All employees[1]		Production workers			Value added by manufacture[2]	Cost of materials[3]	Value of shipments[3]	Capital expenditures, new[4]
	Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages				
	(number)	(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
ALL MANUFACTURING ESTABLISHMENTS, TOTAL:											
1967	(NA)	(NA)	(NA)	(NA)	275.0	439.5	1 502.5	5 587.8	3 766.5	9 267.8	
1963	295	175	248.2	1 981.7	122.9	246.6	788.0	2 882.5	1 902.4	4 784.0	88.2
1958	235	159	198.6	1 322.9	114.3	237.8	652.3	1 956.4	(NA)	3 686.3	75.0
1954	(NA)	(NA)	230.2	1 038.1	171.0	342.5	716.3	1 658.4	(NA)	(NA)	61.1
ADMINISTRATIVE AND AUXILIARY UNITS:											
1967	(NA)	(NA)	(NA)	(NA)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1963[5]	37	12	2.3	24.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1958	12	10	2.7	20.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
1954	(NA)	(NA)	(NA)	(NA)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
OPERATING MANUFACTURING ESTABLISHMENTS:											
1967	417	285	400.4	3 528.4	215.0	439.5	1 502.5	5 587.8	3 766.5	9 267.8	203.0
1963[6]	258	163	245.9	1 957.0	122.9	246.5	788.0	2 882.5	1 902.4	4 784.0	88.2
1958[6]	223	149	195.9	1 302.7	114.3	237.8	652.3	1 956.4	(NA)	3 686.3	75.0
1954	494	380	230.2	1 038.1	171.0	342.5	716.3	1 658.4	(X)	(X)	61.0
OPERATING MANUFACTURING ESTABLISHMENTS:											
1966	(NA)	(NA)	300.5	2 635.2	161.2	330.0	1 123.8	4 091.9	2 574.2	6 580.2	173.9
1965	(NA)	(NA)	237.6	2 081.5	120.4	245.7	827.1	3 126.4	1 744.2	4 850.4	97.8
1964	(NA)	(NA)	235.0	1 918.7	107.3	215.3	718.1	2 889.4	1 573.4	4 442.9	116.8
1962[6 7]	(NA)	(NA)	189.5	1 448.2	105.0	212.3	643.2	2 196.5	1 804.8	3 911.2	80.3
1961[6 7]	(NA)	(NA)	148.6	1 029.5	81.6	158.6	494.1	1 804.3	1 648.1	3 417.1	52.1
1960[6 7]	(NA)	(NA)	200.7	1 445.1	100.2	204.7	595.9	2 109.4	(NA)	(NA)	49.5
1959[6 7]	(NA)	(NA)	204.2	1 418.7	108.6	225.0	646.0	2 096.3	(NA)	(NA)	56.4
1957[7]	(NA)	(NA)	171.4	949.4	111.5	220.0	518.7	1 443.2	(NA)	(NA)	61.0
1956[7]	(NA)	(NA)	170.4	901.7	119.5	242.9	540.5	1 329.0	(NA)	(NA)	47.6
1955[7]	(NA)	(NA)	193.5	913.0	138.6	276.7	577.7	1 394.3	(NA)	(NA)	63.3

Standard notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1]The figures for 1939 through 1967 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known.

[2]For the period 1954 to 1967, figures represent adjusted value added by manufacture and for earlier years, unadjusted value added. Adjusted value added is equal to value of shipments (including resales of finished products) less cost of finished products, materials, supplies, fuel, electric energy and contract work, plus the net change in the value of finished products and work-in-process inventories between the beginning and end of the year, without adjustment for price changes. Unadjusted value added is equal to value of products (excluding resales of finished products) less cost of materials, supplies, fuel, electric energy and contract work; no adjustment is made for changes in inventories of finished products and work-in-process during the year.

[3]The total value of shipments and cost of materials for industry group (2- and 3-digit) include extensive duplication arising from shipments between establishments in the same industry classification. For more information, see Introduction.

[4]The figures for 1958 to 1967 include expenditures for plants under construction and not yet in operation.

[5]In 1954 and 1967, data for administrative and auxiliary establishments for Major Group 19, "Ordnance and Accessories", are included with Major Group 39, "Miscellaneous Manufactures."

[6]Data for 1958 to 1967 include establishments primarily engaged in manufacturing complete guided missiles, and in performing research and development on complete guided missiles.

[7]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Industry and geographic area[1]	1967											1963	
		Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials[2] (million dollars)	Value of shipments[2] (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)						
19	ORDNANCE AND ACCESSORIES	417	285	400.4	3 528.4	215.0	439.5	1 502.2	5 587.8	3 766.5	9 267.8	203.0	248.6	2 918.7
	NORTHEAST REGION	93	74	42.4	300.5	32.5	66.0	203.6	563.6	482.5	1 032.7	(D)	23.9	223.9
	NEW ENGLAND DIVISION	42	35	23.8	170.3	17.8	36.8	112.6	296.8	218.2	506.2	(D)	15.2	143.3
	MAINE	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VERMONT	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MASSACHUSETTS	20	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CONNECTICUT	18	17	12.7	92.5	10.0	20.3	65.6	158.0	120.5	276.5	6.6	8.1	79.6
	MIDDLE ATLANTIC DIVISION	51	39	18.6	130.2	14.6	29.0	91.1	266.8	264.3	526.5	13.2	8.7	86.9
	NEW YORK	16	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	48.4
	NEW JERSEY	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PENNSYLVANIA	28	22	10.9	75.4	9.0	17.6	54.4	144.9	176.1	317.6	(D)	3.7	38.2
	NORTH CENTRAL REGION	111	77	82.9	611.5	61.0	122.9	396.6	978.7	737.0	1 666.8	(D)	39.6	397.7
	EAST NORTH CENTRAL DIVISION	78	52	39.0	270.0	28.2	53.8	167.3	507.3	287.9	755.9	(D)	20.1	221.2
	OHIO	17	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	79.7
	INDIANA	18	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ILLINOIS	13	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MICHIGAN	26	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	30.1
	WISCONSIN	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST NORTH CENTRAL DIVISION	33	25	44.0	341.5	32.8	69.1	229.3	471.4	449.1	910.9	14.9	19.7	176.5
	MINNESOTA	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	IOWA	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSOURI	11	8	20.5	168.6	14.6	29.8	112.3	220.5	253.5	472.3	4.2	(D)	(D)
	NEBRASKA	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	KANSAS	4	3	.7	6.1	.5	1.0	3.1	4.2	6.1	10.1	3.3	.1	.3
	SOUTH REGION	94	65	87.1	710.5	42.4	88.3	264.7	1 075.1	1 045.6	2 105.3	(D)	35.2	426.9
	SOUTH ATLANTIC DIVISION	38	30	37.4	349.6	14.5	30.4	101.9	525.0	234.5	779.4	11.3	15.5	233.2
	MARYLAND	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	VIRGINIA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST VIRGINIA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NORTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	GEORGIA	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	FLORIDA	19	14	24.6	256.3	6.4	13.3	52.9	407.7	68.4	475.1	6.7	(D)	(D)
	EAST SOUTH CENTRAL DIVISION	22	17	15.4	121.9	8.4	16.7	49.1	194.5	82.2	275.8	(D)	7.1	65.1
	TENNESSEE	9	8	4.9	28.7	4.2	9.2	23.5	56.4	56.7	112.4	.6	(D)	(D)
	ALABAMA	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	MISSISSIPPI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	WEST SOUTH CENTRAL DIVISION	34	18	34.6	239.2	19.5	41.3	113.8	355.5	728.8	1 050.2	17.2	12.6	128.7
	ARKANSAS	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	LOUISIANA	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	TEXAS	23	12	18.7	126.7	13.0	26.8	74.4	156.9	629.0	757.2	9.9	(D)	(D)
	WEST REGION	119	69	187.8	1 905.9	79.2	162.3	637.2	2 970.5	1 501.3	4 462.9	(D)	150.1	1 870.0
	MOUNTAIN DIVISION	26	15	13.1	111.4	8.2	16.6	63.5	170.9	69.0	235.6	(D)	13.6	127.0
	IDAHO	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	COLORADO	6	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	NEW MEXICO	6	5	2.7	22.5	1.2	2.5	9.8	20.4	10.3	30.7	(Z)	(D)	(D)
	ARIZONA	7	3	4.8	41.5	4.1	8.3	32.8	85.7	39.2	118.3	1.6	(D)	(D)
	UTAH	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	PACIFIC DIVISION	93	54	174.7	1 794.5	71.0	145.7	573.7	2 799.6	1 432.4	4 227.2	116.8	136.5	1 743.0
	WASHINGTON	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	CALIFORNIA	87	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	136.4	1 742.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

TABLE 3. Detailed Statistics: 1967

Item	Ordnance and accessories (SIC 19)	Ammunition, except for small arms (SIC 192)	Tanks and tank components (SIC 193)	Sighting and fire control equipment (SIC 194)	Small arms (SIC 195)	Small arms ammunition (SIC 196)	Guns, howitzers, and mortars, and ordnance and accessories, n.e.c. (SIC 191 and 199)
ESTABLISHMENTS, TOTAL ..... NUMBER	417	164	27	13	71	44	98
WITH 1 TO 19 EMPLOYEES ..... DO	132	19	6	5	39	27	36
WITH 20 TO 99 EMPLOYEES ..... DO	81	24	8	3	14	5	27
WITH 100 EMPLOYEES OR MORE ..... DO	204	121	13	5	18	12	35
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	400.4	303.1	13.2	4.6	17.4	25.2	36.9
PAYROLL FOR YEAR, ALL EMPLOYEES ... MILLION DOLLARS	3 528.4	2 804.5	101.4	40.5	124.3	173.3	284.4
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	214.8	147.0	10.0	2.4	13.1	19.7	22.6
MARCH ..... DO	206.8	138.4	9.6	2.3	13.0	21.1	22.4
MAY ..... DO	208.5	140.4	9.9	2.5	13.2	20.2	22.3
AUGUST ..... DO	222.1	153.8	10.0	2.5	13.2	19.7	22.9
NOVEMBER ..... DO	222.4	155.7	10.7	2.3	13.0	17.8	22.9
MAN-HOURS ..... MILLIONS	439.4	300.6	20.7	5.2	27.4	39.0	46.5
JANUARY-MARCH ..... DO	105.4	69.6	5.2	1.3	7.1	10.8	11.4
APRIL-JUNE ..... DO	109.6	73.4	5.4	1.3	7.2	10.5	11.8
JULY-SEPTEMBER ..... DO	110.2	77.1	4.9	1.4	6.2	9.1	11.5
OCTOBER-DECEMBER ..... DO	114.3	80.4	5.2	1.3	7.0	8.7	11.7
WAGES ..... MILLION DOLLARS	1 502.2	1 061.1	68.1	18.1	83.3	123.7	147.9
COST OF MATERIALS, ETC., TOTAL[1] ..... DO	3 766.5	2 702.8	263.4	38.7	165.0	320.9	275.7
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED ... DO	3 201.2	2 230.8	229.0	35.4	148.9	311.7	245.4
COST OF RESALES ..... DO	(D)	(D)	(D)	(D)	6.5	(D)	3.9
FUELS CONSUMED ..... DO	(D)	11.8	(D)	(D)	1.2	(D)	1.9
PURCHASED ELECTRIC ENERGY ..... DO	(D)	28.3	1.4	1.4	1.8	(D)	4.7
CONTRACT WORK ..... DO	(D)	(D)	25.9	25.9	6.7	(D)	19.9
VALUE OF SHIPMENTS, INCLUDING RESALES[1] ..... DO	9 267.7	7 104.7	394.1	101.5	384.0	595.9	[2]687.5
VALUE OF RESALES ..... DO	(D)	(D)	(D)	(D)	8.4	(D)	6.3
VALUE ADDED BY MANUFACTURE ..... DO	5 587.8	4 457.4	144.7	63.7	226.6	286.3	[2]409.1
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL ..... DO	1 078.4	707.4	74.3	10.2	77.5	118.8	90.2
FINISHED PRODUCTS ..... DO	127.3	85.9	.5	.1	15.0	17.4	8.4
WORK IN PROCESS ..... DO	669.1	443.8	70.9	8.6	47.0	27.8	71.0
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	281.7	177.5	2.9	1.5	15.5	73.6	10.7
END OF YEAR, TOTAL ..... DO	1 313.5	884.5	87.9	11.3	84.4	153.8	91.6
FINISHED PRODUCTS ..... DO	165.9	118.7	2.2	.1	16.4	22.0	6.5
WORK IN PROCESS ..... DO	774.7	524.0	83.2	9.4	53.2	34.6	70.3
MATERIALS, SUPPLIES, FUEL, ETC. ..... DO	373.0	241.9	2.6	1.8	14.7	97.2	14.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL ... DO	210.7	160.7	3.6	1.3	12.2	13.6	19.2
NEW PLANT AND EQUIPMENT, TOTAL ..... DO	200.0	153.9	3.3	1.3	11.2	12.6	17.7
NEW STRUCTURES AND ADDITIONS TO PLANT ... DO	63.0	49.2	.8	.3	2.0	6.2	4.5
NEW MACHINERY AND EQUIPMENT ..... DO	137.0	104.6	2.5	1.0	9.2	6.4	13.3
USED PLANT AND EQUIPMENT ..... DO	10.7	6.8	.3	(Z)	1.0	1.0	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (X) Under 50 thousand (or under 50 employees).

[1] The value of shipments and cost of materials for industry groups (2- and 3-digit) includes extensive duplication arising from shipments between establishments in the same industry. For a more complete explanation, see Introduction.

[2] Establishments in these industries reported value of work done rather than value of shipments. Consequently the formula for computing value added by manufactures was not adjusted for inventory change between the beginning and end of the year.

ORDNANCE AND ACCESSORIES

This report shows 1967 Census of Manufactures statistics for establishments classified in each of the following industries:

SIC Code and Title

1911--Guns, Howitzers, Mortars, and Related Equipment
1925--Guided Missiles and Space Vehicles, Completely Assembled
1929--Ammunition, except for Small Arms, Not Elsewhere Classified
1931--Tanks and Tank Components
1941--Sighting and Fire Control Equipment
1951--Small Arms
1961--Small Arms Ammunition
1999--Ordnance and Accessories, Not Elsewhere Classified

The general statistics (employment, payrolls, value of shipments, cost of materials, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments in the industry, but also their activities in the manufacture of secondary products and, for that matter, their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 to 4) with product statistics (table 6A) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5A which shows the value of primary and secondary products shipped by establishments classified in the specified industry and also the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

1911--GUNS, HOWITZERS, MORTARS, AND RELATED EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing naval, aircraft, antiaircraft, tank, coast, and field artillery having a bore over 30 mm. (or over 1.18 inch), and components. Establishments primarily engaged in manufacturing small arms and parts 30 mm. (or 1.18 inch) and below are classified in industry 1951. However, all statistics for industry 1911 are combined with those for industry 1999 in 1967, with the exception of a value of shipments figure for the products primary to industry 1911. The latter figure is shown separately in table 6A.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1911, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

1925--GUIDED MISSILES AND SPACE VEHICLES, COMPLETELY ASSEMBLED

This industry comprises establishments primarily engaged in manufacturing completely assembled guided missiles and space vehicles. Establishments primarily engaged in manufacturing guided missile and space vehicle engines and engine parts are classified in industry 3722; space satellite, and guided missile and space vehicle airborne and ground guidance, check-out and launch electronic systems and components in industry 3662; and guided missile and space vehicle airframes, nose cones, and space capsules in industry

3729. For a detailed list of products of industry 1925, refer to table 6A product codes 1925111 to 1925523.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of work done and other receipts of the Complete Guided Missiles Industry in 1967 totaled $4,641 million. This included work on complete guided missiles (primary products), valued at $3,750 million, shipments of other products (secondary products) valued at $465 million, and miscellaneous receipts of $426 million.

This industry's receipts for work done on complete guided missiles (primary products) in 1967 represented 89 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 94 percent. Secondary products shipped by this industry in 1967 consisted mainly of aircraft equipment, n.e.c. ($194 million), and radio and TV communication equipment ($111 million).

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 28 percent of the total industry shipments are represented by plants specializing in product class 19252, Space vehicle systems; and 27 percent in 19253, Research and development on complete guided missiles.

Value of work done on complete guided missiles by industry 1925 in 1967 represented 87 percent (coverage ratio) of these products valued at $4,328 million shipped by all industries. In 1963, the coverage ratio was 69 percent. Other industries shipping complete guided missiles (primary products) consisted mainly of Industry 3721, Aircraft, $435 million; and Industry 3729, Aircraft Equipment, N.E.C., $123 million.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. Industry 1925 had no such establishments.

1929--AMMUNITION, EXCEPT FOR SMALL ARMS, NOT ELSEWHERE CLASSIFIED

This industry comprises establishments primarily engaged in manufacturing ammunition, not elsewhere classified, or in loading and assembling ammunition over 30 mm. (or over 1.18 inch) for naval, aircraft, antiaircraft, tank, coast, and field artillery; including component parts. This industry also includes establishments primarily engaged in manufacturing bombs, mines, torpedoes, grenades, depth charges, chemical warfare projectiles, and their component parts. Establishments primarily engaged in manufacturing small arms ammunition are classified in industry 1961; explosives in industry 2892; and military pyrotechnics in industry 2899. For a detailed list of products of industry 1929, refer to table 6A, product codes 19291-- to 19293--.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Ammunition, N.E.C., Industry in 1967 totaled $2,464 million. This included shipments of ammunition, n.e.c. (primary products), valued at $2,102 million shipments of other products (secondary products) valued at $187 million, and miscellaneous receipts of $175 million.

This industry's shipments of ammunition, n.e.c. (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 70 percent.

While the primary products of the industry represent more than one class of product, the establishments tend to group themselves into "subindustries" represented by each of the different product classes. The extent of this specialization is indicated in table 8. Approximately 51 percent of the total industry shipments are represented by plants specializing in product class 19291, Artillery ammunition, over 30 mm.

Industry 1929 shipments of ammunition, n.e.c. (primary products) in 1967 represented 85 percent (coverage ratio) of these products valued at $2,462 million shipped by all industries. In 1963, the coverage ratio was 82 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1929, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

1931--TANKS AND TANK COMPONENTS

This industry comprises establishments primarily engaged in manufacturing or assembling complete tanks, and specialized components for tanks. Establishments primarily engaged in manufacturing military vehicles other than tanks are classified in Group 371, and tank engines in industry 3519.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Tanks And Tank Components Industry in 1967 totaled $394 million. This included shipments of tanks and tank components (primary products), valued at $312 million, shipments of other products (secondary products) valued at $54 million, and miscellaneous receipts of $28 million.

This industry's shipments of tanks and tank components (primary products) in 1967 represented 85 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent.

Industry 1931 shipments of tanks and tank components (primary products) in 1967 represented 76 percent (coverage ratio) of these products valued at $409 million shipped by all industries. In 1963, the coverage ratio was 79 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1931, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

1941--SIGHTING AND FIRE CONTROL EQUIPMENT

This industry comprises establishments primarily engaged in manufacturing sighting and fire control equipment, but which are not engaged in manufacturing optical lenses and prisms. Important products of this industry include bomb sights, percentage correctors, wind correctors, directors, and sound locators. Establishments engaged in manufacturing optical lenses and prisms, and also manufacturing sighting and fire control equipment, are classified in industry 3831, and computers and computer systems in industry 3573.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Sighting and Fire Control Equipment Industry in 1967 totaled $102 million.

This industry's shipments of sighting and fire control equipment (primary products) in 1967 represented 50 to 60 percent (sepcialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 57 percent.

Industry 1941 shipments of sighting and fire control equipment (primary products) in 1967 represented 40 to 50 percent (coverage ratio) of these products valued at $107 million shipped by all industries. In 1963, the coverage ratio was 80 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1941 these establishments accounted for less than 1 percent of payroll and value added by manufacture.

1951--SMALL ARMS

This industry comprises establishments primarily engaged in manufacturing small firearms having a bore 30 mm. (or 1.18 inch) and below, and parts for small firearms. Also included in this industry are establishments primarily engaged in manufacturing certain weapons over 30 mm. which are carried and employed by the individual, such as grenade launchers and heavy field machine guns. Establishments primarily engaged in manufacturing artillery and mortars having a bore over 30 mm. (or over 1.18 inch), and component parts, are classified in industry 1911. For a detailed list of products of industry 1951, refer to table 6A, product codes 1951113 to 1951281.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Smalls Arms, Industry in 1967 totaled $384 million. This included shipments of small arms, 30 mm. and under (primary products), valued at $341 million, shipments of other products (secondary products) valued at $28 million, and miscellaneous receipts (mainly products bought and resold) of $15 million.

This industry's shipments of small arms, 30 mm. and under (primary products) in 1967 represented 92 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 95 percent.

Industry 1951 shipments of small arms (primary products) in 1967 represented 94 percent (coverage ratio) of these products valued at $362 million shipped by all industries. In 1963, the coverage ratio was 82 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1951, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

1961--SMALL ARMS AMMUNITION

This industry comprises establishments primarily engaged in manufacturing ammunition for small arms having a bore of 30 mm. (or 1.18 inch) and below. Establishments primarily engaged in manufacturing ammunition except for small arms are classified in group 192, blasting and detonating caps and safety fuses in industry 2892, and fireworks in industry 2899. For a detailed list of products of industry 1961, refer to table 6A, product codes 1961012 to 1961089.

The code number as well as the definition of this industry was unchanged between 1967 and 1963.

Value of shipments and other receipts of the Small Arms Ammunition Industry in 1967 totaled $596 million. This included shipments of small arms ammunition (primary products), valued at $565 million, shipments of other products (secondary products) valued at $19 million, and miscellaneous receipts of $12 million.

This industry's shipments of small arms ammunition (primary products) in 1967 represented 97 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 85 to 100 percent.

Industry 1961 shipments of small arms ammunition (primary products) in 1967 represented 99 percent (coverage ratio) of these products valued at $573 million shipped by all industries. In 1963, the coverage ratio was 92 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1961, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

1999--ORDNANCE AND ASSESSORIES, NOT ELSEWHERE CLASSIFIED

The Ordnance and Accessories, Not Elsewhere Classified, Industry includes establishments primarily engaged in manufacturing ordnance and accessories, not elsewhere classified. However, in 1967 all statistics for industry 1999 include those for industry 1911, with the exception of a value of shipments figure for the products primary to industry 1911. The latter figure is shown separately in table 6A. Therefore, the textual material below represent the activities of industries 1911 and 1999 combined.

Value of shipments and other receipts of the Ordnance and Accessories, N.E.C., Industry in 1967 totaled $688 million. This included shipments of ordnance and accessories, n.e.c. (primary products), valued at $523 million, shipments of other products (secondary products) valued at $127 million, and miscellaneous receipts (mainly contract work on materials owned by others) of $38 million.

This industry's shipments of ordnance and accessories, n.e.c. (primary products) in 1967 represented 80 percent (specialization ratio) of its total product shipments (primary and secondary). The industry specialization ratio in 1963 was 78 percent.

Industry 1999 shipments of ordnance and accessories, n.e.c. (primary products) in 1967 represented 61 percent (coverage ratio) of these products valued at $858 million shipped by all industries. In 1963, the coverage ratio was 69 percent.

As indicated in the introduction, small establishments generally with less than 10 employees were excluded from the mail portion of the census. For these establishments, key data on payrolls and sales were obtained from administrative records of other Government agencies and the remaining statistics estimated from industry averages. For industry 1999, these establishments accounted for less than 1 percent of payroll and less than 1 percent of value added by manufacture.

TABLE 1A. General Statistics: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Establishments: Total (number)	Establishments: With 20 employees or more (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)	Specialization ratio (percent)	Coverage ratio (percent)
INDUSTRY 1925.--COMPLETE GUIDED MISSLES														
1967 Census....	65	59	201.4	2,098.7	70.2	142.9	587.0	[3]3,338.8	1,301.7	[3]4,640.5	111.4	485.4	89	86
1966 ASM[1].....	(NA)	(NA)	169.4	1,703.8	63.6	129.4	514.4	[3]2,711.1	[r]1,119.2	[3]4,850.4	99.9	394.1	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	145.4	1,476.8	54.0	111.8	423.0	[3]2,173.9	1,038.8	[3]3,314.7	44.6	257.7	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	157.0	1,425.6	51.2	103.1	382.2	[3]2,204.8	977.0	[3]3,183.7	69.4	192.9	(NA)	(NA)
1963 Census....	32	30	151.6	1,351.2	56.9	115.6	418.4	1,960.9	1,168.6	31,29.5	48.8	160.4	94	69
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	26	26	108.4	788.4	60.9	129.2	370.7	[3]1,153.0	1,053.7	[3]2,206.7	46.1	368.7	73	83
INDUSTRY 1929.--AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.														
1967 Census....	99	86	101.7	705.8	76.8	157.7	474.1	1,118.6	1,401.1	2,464.2	42.5	399.1	92	85
1966 ASM[1].....	(NA)	(NA)	48.3	312.7	38.3	76.4	217.4	476.0	580.6	1,023.4	15.4	163.3	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	29.4	187.3	21.9	44.1	122.8	242.3	260.2	500.4	8.2	91.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	26.2	170.8	18.9	37.7	108.0	243.8	151.6	397.1	9.7	93.5	(NA)	(NA)
1963 Census....	44	34	32.6	202.2	25.1	49.0	137.7	285.8	210.2	503.0	7.6	44.4	70	82
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	50	37	11.3	59.1	7.2	14.2	34.3	87.0	52.4	138.4	6.2	(NA)	(NA)	(NA)
INDUSTRY 1931.--TANKS AND TANK COMPONENTS														
1967 Census....	27	21	13.2	101.4	10.0	20.7	68.1	144.7	263.4	394.1	3.3	87.9	85	76
1966 ASM[1].....	(NA)	(NA)	10.1	82.8	7.1	15.6	50.4	133.3	155.8	274.1	5.7	74.7	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	7.6	56.3	5.0	10.8	33.6	106.1	116.3	220.0	1.8	60.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	9.1	62.9	6.0	11.6	37.1	78.1	212.5	296.6	1.4	72.7	(NA)	(NA)
1963 Census....	26	19	11.3	76.6	7.8	16.2	48.4	148.4	258.9	394.1	5.2	82.0	95	79
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	17	10	7.1	39.9	4.6	9.7	25.2	63.7	143.9	212.4	1.5	29.4	89	84
INDUSTRY 1941.--SIGHTING AND FIRE CONTROL EQUIPMENT														
1967 Census....	13	8	4.6	40.5	2.4	5.2	18.1	63.7	38.7	101.5	1.3	11.3	(50-60)	(40-50)
1966 ASM[1].....	(NA)	(NA)	3.3	27.8	1.9	4.1	13.5	42.3	25.9	65.5	1.0	9.4	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	3.8	29.4	2.8	5.8	20.8	57.2	42.5	93.6	*0.5	14.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	3.7	26.3	2.2	4.6	14.1	39.1	19.9	57.8	2.9	11.1	(NA)	(NA)
1963 Census....	13	8	9.2	66.9	5.8	11.1	36.6	96.3	60.3	156.6	3.6	33.6	57	80
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	20	15	36.4	237.2	19.9	40.5	112.5	360.4	325.0	682.6	4.1	(NA)	62	89
INDUSTRY 1951.--SMALL ARMS														
1967 Census....	71	32	17.4	124.3	13.1	27.4	83.3	226.6	165.0	384.0	11.2	84.4	92	94
1966 ASM[1].....	(NA)	(NA)	15.4	105.5	11.4	24.2	69.4	197.1	97.1	274.0	10.0	80.8	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	10.5	66.8	8.0	16.4	47.0	118.4	56.7	166.2	6.0	46.6	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	*10.5	*62.8	*7.8	*16.2	*46.1	*123.7	*37.7	*155.1	*4.5	*44.9	(NA)	(NA)
1963 Census....	52	23	10.0	57.3	7.5	15.1	39.3	88.3	43.0	133.0	5.1	36.0	95	82
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	34	23	8.0	39.2	5.8	11.6	27.2	51.0	20.4	79.1	2.1	35.7	91	81

See footnotes at end of table.

TABLE 1A. General Statistics: 1958 to 1967—Continued

(See appendix, "Explanation of Terms")

Year	Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	End-of-year inventories	Specialization ratio	Coverage ratio
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(percent)	(percent)
	INDUSTRY 1961.--SMALL ARMS AMMUNITION													
1967 Census....	44	17	25.2	173.3	19.7	39.0	123.7	286.3	320.9	595.9	12.6	153.8	97	99
1966 ASM[1].....	(NA)	(NA)	19.1	142.3	16.6	34.6	113.1	232.1	247.4	467.9	8.2	115.0	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	10.5	65.6	8.6	16.9	49.7	125.6	111.6	236.6	4.8	77.8	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	9.3	58.3	7.6	15.6	44.2	118.7	93.9	208.9	5.5	71.8	(NA)	(NA)
1963 Census....	31	13	8.9	51.9	7.1	14.1	38.1	103.8	85.7	192.5	5.5	63.5	85-99	92
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	24	12	9.0	44.2	5.7	11.3	26.0	82.7	75.7	167.4	4.2	130.2		94
	INDUSTRY 1911 AND 1999.--GUNS, HOWITZERS, AND MORTARS, AND ORDNANCE AND ACCESSORIES, N.E.C.[3]													
1967 Census....	98	62	36.9	284.4	22.6	46.5	147.9	409.1	275.7	687.5	17.7	91.6	80	61
1966 ASM[1].....	(NA)	(NA)	40.5	306.4	23.9	48.8	155.9	407.3	225.2	609.1	33.6	87.2	(NA)	(NA)
1965 ASM[1].....	(NA)	(NA)	37.0	274.4	22.1	45.0	144.6	354.8	165.8	526.7	27.9	54.1	(NA)	(NA)
1964 ASM[1].....	(NA)	(NA)	26.3	190.4	15.4	29.8	96.4	252.5	118.1	355.5	23.5	55.3	(NA)	(NA)
1963 Census....	60	37	25.0	176.2	15.1	30.7	93.7	235.2	115.4	351.0	12.3	43.3	78	69
1962 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM[1].....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census[2]...	51	26	15.5	94.8	10.2	21.3	56.4	158.5	39.3	199.7	10.8	(NA)	(NA)	(NA)

Note: In 1967, 1963, and 1958, the number of companies in industry 1911 was 9, (NA), and 4, respectively; in industry 1925: 25, 25, and 18; industry 1929: 82, 38, and 48; industry 1931: 23, 23, and 15; industry 1941: 14, 13, and 18; industry 1951: 69, 52, and 34; industry 1961: 39; 27, and 20; industry 1999: 87, 54, and 45. The 1967 company counts include the small companies whose data were estimated from administrative records. The number of such companies is shown in table 4 and includes data only for privately owned and/or operated establishments. Government owned and operated establishments are excluded.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [r]Revised. [*]These figures either have associated standard errors exceeding 15 percent or are not consistent with other Census series and related data. Thus, these estimates may be of limited reliability.

[1]Based on a representative sample of establishments canvassed in the annual survey of manufactures (ASM). These estimates may differ from the results of a complete canvass of all manufacturing establishments. The percentage standard errors are shown in the ASM volume.

[2]Data prior to 1958 appear in Volume II, 1963 Census of Manufactures in table 1 of the chapter devoted to this industry.

[3]Establishments in this industry reported value of work done rather than value of shipments. Consequently the formula for computing value added by manufactures was not adjusted for inventory change between the beginning and end of the year.

TABLE 1B. Selected Operating Ratios: 1958 to 1967

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 1925.--COMPLETE GUIDED MISSLES								
1967 Census.....	10,421	35	2,036	4.11	.28	.73	16,578	63	23.36
1966 ASM.....	8,654	38	2,036	3.99	.29	.73	15,292	57	19.85
1965 ASM.....	10,103	38	2,053	3.83	.33	.79	14,628	69	19.00
1964 ASM.....	8,995	33	2,016	3.73	.32	.77	13,578	66	20.39
1963 Census.....	8,904	37	2,024	3.58	.37	.80	12.926	69	17.44
1962 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census.....	7,271	56	2,122	2.87	.48	.83	10,634	68	8.92
	INDUSTRY 1929.--AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.								
1967 Census.....	6,940	76	2,053	3.01	.57	.86	10,999	63	7.09
1966 ASM.....	6,474	79	1,995	2.85	.57	.87	9,855	66	6.23
1965 ASM.....	6,303	75	2,014	2.79	.52	.90	8,089	78	5.33
1964 ASM.....	6,526	72	1,995	2.86	.38	.81	9,312	70	6.46
1963 Census.....	6,207	77	1,954	2.81	.42	.82	8,772	71	5.84
1962 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census.....	5,213	63	1,988	2.41	.38	.80	7,680	68	6.11

See footnotes at end of table.

TABLE 1B. Selected Operating Ratios: 1958 to 1967—Continued

(See Appendix, Explanation of Terms)

Year	Payroll per employee (dollars)	Production worker as percent of total employment (percent)	Annual man-hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials per dollar of shipments (dollars)	Cost of materials and payrolls per dollar shipments (dollars)	Value added per employee (dollars)	Payrolls as percent of value added (percent)	Value added per man-hour of production worker (dollars)
	INDUSTRY 1931.--TANKS AND TANK COMPONENTS								
1967 Census	7,682	76	2,070	3.29	.67	.93	10,962	70	6.99
1966 ASM	8,210	70	2,203	3.23	.57	.87	11,167	74	7.21
1965 ASM	7,429	67	2,146	3.10	.53	.78	11,432	65	8.01
1964 ASM	6,880	65	1,952	3.19	.72	.93	8,542	81	6.71
1963 Census	6,773	69	2,084	2.98	.66	.85	13,122	52	9.14
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	5,639	65	2,089	2.61	.68	.87	9,013	63	6.60
	INDUSTRY 1941.--SIGHTING AND FIRE CONTROL EQUIPMENT								
1967 Census	8,804	52	2,167	3.48	.38	.78	13,848	64	12.25
1966 ASM	8,525	59	2,134	3.32	.40	.82	12,975	66	10.39
1965 ASM	7,827	76	2,030	3.60	.45	.77	15,213	51	9.88
1964 ASM	7,085	59	2,126	3.04	.34	.80	10,541	67	8.41
1963 Census	7,239	63	1,908	3.31	.38	.81	10,410	70	8.69
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	6,511	55	2,032	2.78	.48	.82	9,892	66	8.90
	INDUSTRY 1951.--SMALL ARMS								
1967 Census	7,144	75	2,092	3.04	.43	.75	13,023	55	8.27
1966 ASM	6,841	74	2,116	2.87	.35	.74	12,786	54	8.15
1965 ASM	6,351	76	2,045	2.86	.34	.74	11,250	56	7.21
1964 ASM	5,975	75	2,061	2.85	.24	.65	11,778	51	7.65
1963 Census	5,738	75	2,012	2.60	.32	.75	8,835	65	5.85
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	4,896	73	1,989	2.35	.26	.75	6,368	77	4.40
	INDUSTRY 1961.--SMALL ARMS AMMUNITION								
1967 Census	6,877	78	1,980	3.17	.54	.83	11,361	61	7.34
1966 ASM	7,435	86	2,090	3.27	.53	.83	12,123	61	6.71
1965 ASM	6,254	82	1,964	2.95	.47	.75	11,975	52	7.44
1964 ASM	6,247	81	2,061	2.84	.45	.73	12,717	49	7.62
1963 Census	5,825	79	1,994	2.71	.45	.72	11,648	50	7.37
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	4,886	63	1,990	2.30	.45	.72	9,143	53	7.32
	INDUSTRIES 1911 AND 1999.--GUNS, HOWITZERS, AND MORTARS, AND ORDNANCE AND ACCESSORIES N.E.C.								
1967 Census	7,707	61	2,058	3.18	.40	.81	11,087	70	8.80
1966 ASM	7,565	59	2,042	3.19	.37	.87	10,057	75	8.35
1965 ASM	7,408	60	2,037	3.21	.31	.84	9,578	77	7.88
1964 ASM	7,232	59	1,931	3.24	.33	.87	9,589	75	8.48
1963 Census	7,050	61	2,027	3.05	.33	.33	9,413	75	7.66
1962 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1961 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1960 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1959 ASM	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1958 Census	6,096	66	2,083	2.65	.20	.67	10,193	60	7.46

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 2. General Statistics, by Geographic Areas: 1967 and 1963

(See Appendix, Explanation of Terms)

Industry and geographic area[1]	1967											1963	
	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees	Value added by manufacture (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					(1,000)	
19 -- ORDNANCE AND ACCESSORIES													
UNITED STATES	417	285	400.4	3 528.4	215.0	439.5	1 502.2	5 587.8	3 766.5	9 267.8	203.0	248.6	2 918.7
NORTHEAST REGION	93	74	42.4	300.5	32.5	66.0	203.6	563.6	482.5	1 032.7	(D)	23.9	223.9
NEW ENGLAND DIVISION	42	35	23.8	170.3	17.8	36.8	112.6	296.8	218.2	506.2	(D)	15.2	143.3
MAINE	1	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VERMONT	1	1	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
MASSACHUSETTS	20	15	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
CONNECTICUT	18	17	12.7	92.5	10.0	20.3	65.6	158.0	120.5	276.5	6.6	8.1	79.6
MIDDLE ATLANTIC DIVISION	51	39	18.6	130.2	14.6	29.0	91.1	266.8	264.3	526.5	13.2	8.7	86.9
NEW YORK	16	11	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	4.8	48.4
NEW JERSEY	7	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PENNSYLVANIA	28	22	10.9	75.4	9.0	17.6	54.4	144.9	176.1	317.6	(D)	3.7	38.2
NORTH CENTRAL REGION	111	77	82.9	611.5	61.0	122.9	396.6	978.7	737.0	1 666.8	(D)	39.6	397.7
EAST NORTH CENTRAL DIVISION	78	52	39.0	270.0	28.2	53.8	167.3	507.3	287.9	755.9	(D)	20.1	221.2
OHIO	17	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	6.2	79.7
INDIANA	18	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
ILLINOIS	13	10	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MICHIGAN	26	13	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.2	30.1
WISCONSIN	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST NORTH CENTRAL DIVISION	33	25	44.0	341.5	32.8	69.1	229.3	471.4	449.1	910.9	14.9	19.7	176.5
MINNESOTA	7	7	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
IOWA	4	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSOURI	11	8	20.5	168.6	14.6	29.8	112.3	220.5	253.5	472.3	4.2	[2](D)	[2](D)
NEBRASKA	7	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
KANSAS	4	3	.7	6.1	.5	1.0	3.1	4.2	6.1	10.1	3.3	.1	.3
SOUTH REGION	94	65	87.1	710.5	42.4	88.3	264.7	1 075.1	1 045.6	2 105.3	(D)	35.2	426.9
SOUTH ATLANTIC DIVISION	38	30	37.4	349.6	14.5	30.4	101.9	525.0	234.5	779.4	11.3	15.5	233.2
MARYLAND	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
VIRGINIA	5	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
WEST VIRGINIA	3	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NORTH CAROLINA	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
GEORGIA	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
FLORIDA	19	14	24.6	256.3	6.4	13.3	52.9	407.7	68.4	475.1	6.7	[2](D)	[2](D)
EAST SOUTH CENTRAL DIVISION	22	17	15.4	121.9	8.4	16.7	49.1	194.5	82.2	275.8	(D)	7.1	65.1
TENNESSEE	9	8	4.9	28.7	4.2	9.2	23.5	56.4	56.7	112.4	.6	[2](D)	[2](D)
ALABAMA	9	8	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
MISSISSIPPI	1	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
WEST SOUTH CENTRAL DIVISION	34	18	34.6	239.2	19.5	41.3	113.8	355.5	728.8	1 050.2	17.2	12.6	128.7
ARKANSAS	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
LOUISIANA	5	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
TEXAS	23	12	18.7	126.7	13.0	26.8	74.4	156.9	629.0	757.2	9.9	[2](D)	[2](D)
WEST REGION	119	69	187.8	1 905.9	79.2	162.3	637.2	2 970.5	1 501.3	4 462.9	(D)	150.1	1 870.0
MOUNTAIN DIVISION	26	15	13.1	111.4	8.2	16.6	63.5	170.9	69.0	235.6	(D)	13.6	127.0
IDAHO	3	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
COLORADO	6	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
NEW MEXICO	6	5	2.7	22.5	1.2	2.5	9.8	20.4	10.3	30.7	(Z)	[2](D)	[2](D)
ARIZONA	7	3	4.8	41.5	4.1	8.3	32.8	85.7	39.2	118.3	1.6	[2](D)	[2](D)
UTAH	3	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	[2](D)	[2](D)
PACIFIC DIVISION	93	54	174.7	1 794.5	71.0	145.7	573.7	2 799.6	1 432.4	4 227.2	116.8	136.5	1 743.0
WASHINGTON	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
CALIFORNIA	87	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	136.4	1 742.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [6]For 1967, over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees).

[1]General statistics for some producing States have to be withheld to avoid disclosing figures for individual companies. However, for such States, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA - less than 250 employees
BB - 250-499 employees
CC - 500-999 employees
EE - 1,000-2,499 employees
FF - 2,500 employees and over

[2]This State or division was not shown as a separate line in table 2 in the 1963 report for this industry. A footnote to table 2 in the 1963 report showed the number of establishments and total employment (either actual or in size ranges) for such States.

TABLE 3. Detailed Statistics: 1967 and 1963

Items	Complete guided missiles (SIC 1925)	Ammunition, except for small arms, n.e.c. (SIC 1929)	Tanks and tank components (SIC 1931)	Sighting and fire control equipment (SIC 1941)	Small arms (SIC 1951)	Small arms ammunition (SIC 1961)	Guns, howitzers and mortars, and ordnance and accessories, n.e.c. (SIC 1911 and 1999)
PRIMARY PRODUCT SPECIALIZATION RATIO[1]	.89	.92	.85	(50-60)	.92	.97	.80
COVERAGE RATIO[2]	.86	.85	.76	(40-50)	.94	.99	.61
ESTABLISHMENTS, TOTAL .NUMBER	65	99	27	13	71	44	98
WITH 1 TO 19 EMPLOYEES .DO	6	13	6	5	39	27	36
WITH 20 TO 99 EMPLOYEES .DO	7	17	8	3	14	5	27
WITH 100 EMPLOYEES OR MORE .DO	52	69	13	5	18	12	35
ALL EMPLOYEES, AVERAGE FOR YEAR 1,000	201.4	101.7	13.2	4.6	17.4	25.2	36.9
PAYROLL FOR YEAR, ALL EMPLOYEES MILLION DOLLARS	2 098.7	705.8	101.4	40.5	124.3	173.3	284.4
PRODUCTION WORKERS:							
AVERAGE FOR YEAR 1,000	70.2	76.8	10.0	2.4	13.1	19.7	22.6
MARCH .DO	68.7	69.7	9.6	2.3	13.0	21.1	22.4
MAY .DO	68.7	71.7	9.9	2.5	13.2	20.2	22.3
AUGUST .DO	70.8	83.0	10.0	2.5	13.2	19.7	22.9
NOVEMBER .DO	72.8	82.9	10.7	2.3	13.0	17.8	22.9
MAN-HOURS .MILLIONS	142.9	157.7	20.7	5.2	27.4	39.0	46.5
JANUARY-MARCH .DO	35.0	34.6	5.2	1.3	7.1	10.8	11.4
APRIL-JUNE .DO	35.1	38.3	5.4	1.3	7.2	10.5	11.8
JULY-SEPTEMBER .DO	35.4	41.7	4.9	1.4	6.2	9.1	11.5
OCTOBER-DECEMBER .DO	37.3	43.1	5.2	1.3	7.0	8.7	11.7
WAGES MILLION DOLLARS	587.0	474.1	68.1	18.1	83.3	123.7	147.9
COST OF MATERIALS, ETC., TOTAL .DO	1 301.7	1 401.1	263.4	38.7	165.0	320.9	275.7
MATERIALS, PARTS, CONTAINERS, ETC. CONSUMED .DO	970.0	1 260.8	229.0	35.4	148.9	311.7	245.4
COST OF RESALES .DO	(D)	(D)	(D)	(D)	6.5	(D)	3.9
FUELS CONSUMED .DO	3.0	8.8	(D)	(Z)	1.2	(D)	1.9
PURCHASED ELECTRIC ENERGY .DO	15.8	12.5	1.4	.4	1.8	(D)	4.7
CONTRACT WORK .DO	(D)	(D)	25.9	(D)	6.7	(D)	19.9
VALUE OF SHIPMENTS, INCLUDING RESALES[3] .DO	4 640.5	2 464.2	394.1	101.5	384.0	595.9	687.5
VALUE OF RESALES .DO	(D)	(D)	(D)	(D)	8.4	(D)	6.3
VALUE ADDED BY MANUFACTURE[4] .DO	3 338.8	1 118.6	144.7	63.7	226.6	286.3	409.1
MANUFACTURERS' INVENTORIES:							
BEGINNING OF YEAR, TOTAL .DO	430.2	277.2	74.3	10.2	77.5	118.8	90.2
FINISHED PRODUCTS .DO	7.5	78.4	.5	.1	15.0	17.4	8.4
WORK IN PROCESS .DO	347.2	96.6	70.9	8.6	47.0	27.8	71.0
MATERIALS, SUPPLIES, FUEL, ETC. .DO	75.4	102.1	2.9	1.5	15.5	73.6	10.7
END OF YEAR, TOTAL .DO	485.4	399.1	87.9	11.3	84.4	153.8	91.6
FINISHED PRODUCTS .DO	7.1	111.6	2.2	.1	16.4	22.0	6.5
WORK IN PROCESS .DO	405.1	118.9	83.2	9.4	53.2	34.6	70.3
MATERIALS, SUPPLIES, FUEL, ETC. .DO	73.2	168.7	2.6	1.8	14.7	97.2	14.8
EXPENDITURES FOR PLANT AND EQUIPMENT, TOTAL .DO	113.4	47.3	3.6	1.3	12.2	13.6	19.2
NEW PLANT AND EQUIPMENT, TOTAL .DO	111.4	42.5	3.3	1.3	11.2	12.6	17.7
NEW STRUCTURES AND ADDITIONS TO PLANT .DO	38.0	11.2	.8	.3	2.0	6.2	4.5
NEW MACHINERY AND EQUIPMENT .DO	73.4	31.2	2.5	1.0	9.2	6.4	13.3
USED PLANT AND EQUIPMENT .DO	2.0	4.8	.3	(Z)	1.0	1.0	1.5

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, "Explanation of Terms."

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Under 50 thousand (or under 50 employees).

[1]The proportion of product shipments (both primary and secondary) of the industry represented by primary products.

[2]The proportion of primary products shipped by the establishments classified in the industry to total shipments of such products by all manufacturing establishments.

[3]For industry 1925, represents value of work done.

[4]See table 1A, footnote 3.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
1925-- COMPLETE GUIDED MISSILES[1]											
ESTABLISHMENTS, TOTAL	65	201.4	2 098.7	70.2	142.9	587.0	3 338.8	[2]1 301.7	[2]4 640.5	111.4	485.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	1	.2	1.5	(Z)	.2	.7	2.2	.9	3.1	.5	.2
5 TO 9 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES [e]	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	5	.4	4.1	.1	.3	.9	7.6	1.1	8.7	(D)	(D)
100 TO 249 EMPLOYEES	7	1.1	13.0	.2	.7	1.4	20.0	1.8	21.8	(Z)	.4
250 TO 499 EMPLOYEES	4	1.6	14.5	.7	1.4	6.3	28.6	1.5	30.1	.1	.7
500 TO 999 EMPLOYEES	9	5.9	59.7	1.9	3.9	14.4	104.8	24.1	129.0	2.7	21.8
1,000 TO 2,499 EMPLOYEES	13	20.1	214.9	8.1	15.9	77.2	354.7	48.2	402.8	2.3	27.2
2,500 EMPLOYEES OR MORE	19	172.2	1 791.1	59.1	120.5	486.0	2 820.9	1 224.1	4 045.0	105.7	434.9
ESTABS. COVERED BY ADMIN. RECORDS[3]	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1929-- AMMUNITION EXC. SMALL ARMS, NEC											
ESTABLISHMENTS, TOTAL	99	101.7	705.8	76.8	157.7	474.1	1 118.6	1 401.1	2 464.2	42.5	399.1
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	11	(Z)	.4	(Z)	(Z)	.2	.5	.2	.8	(Z)	(Z)
5 TO 9 EMPLOYEES	1	(Z)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
10 TO 19 EMPLOYEES	1	(Z)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	7	.3	1.4	.2	.5	1.1	2.9	2.4	5.5	.1	.4
50 TO 99 EMPLOYEES	10	.8	4.9	.7	1.3	3.6	14.6	30.4	46.3	1.0	5.0
100 TO 249 EMPLOYEES	11	1.8	9.8	1.5	3.0	7.5	19.1	18.2	36.2	.7	6.5
250 TO 499 EMPLOYEES	17	6.1	39.6	5.0	10.1	28.9	91.6	65.6	155.5	4.9	23.0
500 TO 999 EMPLOYEES	16	10.5	71.3	8.2	17.8	48.7	135.0	159.3	292.1	2.4	31.0
1,000 TO 2,499 EMPLOYEES	12	20.9	156.3	15.1	31.0	103.9	264.9	254.0	502.9	11.0	51.9
2,500 EMPLOYEES OR MORE	13	61.4	422.5	46.1	94.0	280.1	590.0	870.9	1 425.0	22.4	281.3
ESTABS. COVERED BY ADMIN. RECORDS[3]	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1931-- TANKS AND TANK COMPONENTS											
ESTABLISHMENTS, TOTAL	27	13.2	101.4	10.0	20.7	68.1	144.7	263.4	394.1	3.3	87.9
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	5	.1	1.1	.1	.2	.8	2.1	2.0	3.9	(Z)	.2
5 TO 9 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 TO 49 EMPLOYEES	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	4	.3	2.2	.2	.5	1.6	4.1	3.1	7.1	(Z)	1.7
100 TO 249 EMPLOYEES	5	1.1	6.7	1.0	1.8	5.2	14.4	15.2	21.5	1.0	10.4
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	3	11.6	91.4	8.6	18.1	60.5	124.0	243.0	361.6	2.3	75.5
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[3]	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1941-- SIGHTING & FIRE CONTROL EQUIPMENT											
ESTABLISHMENTS, TOTAL	13	4.6	40.5	2.4	5.2	18.1	63.7	38.7	101.5	1.3	11.3
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.1	-	(Z)
20 TO 49 EMPLOYEES	3	4.6	40.5	2.4	5.2	18.1	63.7	38.7	101.5	1.3	11.3
100 TO 249 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS[3]	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnote at end of table.

TABLE 4. General Statistics, by Employment Size of Establishment: 1967—Continued

(See Appendix, Explanation of Terms)

Item	Establishments (number)	All employees: Number (1,000)	All employees: Payroll (million dollars)	Production workers: Number (1,000)	Production workers: Man-hours (millions)	Production workers: Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	End-of-year inventories (million dollars)
1951-- SMALL ARMS											
ESTABLISHMENTS, TOTAL	71	17.4	124.3	13.1	27.4	83.3	226.6	165.0	384.0	11.2	84.4
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	25	(Z)	.2	(Z)	.1	.1	.4	.3	.7	(Z)	.2
5 TO 9 EMPLOYEES	7	(Z)	.2	(Z)	.1	.2	.9	.4	1.3	(Z)	.2
10 TO 19 EMPLOYEES	7	.8	4.7	.7	1.3	2.9	19.5	14.0	33.5	.6	3.7
20 TO 49 EMPLOYEES	10	.3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
50 TO 99 EMPLOYEES	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	6	1.1	7.5	.9	1.9	5.4	16.4	12.3	27.1	1.8	8.0
250 TO 499 EMPLOYEES	3	2.0	13.7	1.6	3.4	10.4	22.9	12.6	34.8	.6	9.2
500 TO 999 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1,000 TO 2,499 EMPLOYEES	5	13.4	98.1	9.9	20.7	64.3	166.4	125.5	286.5	7.9	63.1
2,500 EMPLOYEES OR MORE	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
ESTABS. COVERED BY ADMIN. RECORDS [3]	25	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1961-- SMALL ARMS AMMUNITION											
ESTABLISHMENTS, TOTAL	44	25.2	173.3	19.7	39.0	123.7	286.3	320.9	595.9	12.6	153.8
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES [e]	18	(Z)	.4	(Z)	(Z)	.3	1.0	.4	1.4	(Z)	.2
5 TO 9 EMPLOYEES [e]	4	(Z)	.1	(Z)	(Z)	.1	.3	.2	.5	(Z)	.1
10 TO 19 EMPLOYEES	5	.1	.3	.1	.1	.2	.8	.6	1.4	.1	.2
20 TO 49 EMPLOYEES	4	.2	1.6	.1	.3	.9	3.7	2.1	5.6	.2	1.2
50 TO 99 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
100 TO 249 EMPLOYEES	2	.7	3.6	.6	1.4	2.7	7.2	4.4	10.6	.4	3.9
250 TO 499 EMPLOYEES	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
500 TO 999 EMPLOYEES	3	5.4	33.9	4.7	9.8	28.1	72.1	55.0	125.1	3.2	21.6
1,000 TO 2,499 EMPLOYEES	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 EMPLOYEES OR MORE	4	18.8	133.5	14.1	27.3	91.5	201.3	258.4	451.4	8.6	126.6
ESTABS. COVERED BY ADMIN. RECORDS [3]	18	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1999-- ORDNANCE AND ACCESSORIES, NEC											
ESTABLISHMENTS, TOTAL	98	36.9	284.4	22.6	46.5	147.9	409.1	275.7	687.5	17.7	91.6
ESTABLISHMENTS WITH AN AVERAGE OF-											
1 TO 4 EMPLOYEES	22	(Z)	.3	(Z)	(Z)	.2	.4	.3	.8	.7	.1
5 TO 9 EMPLOYEES	5	(Z)	.2	(Z)	.1	.2	1.2	.9	2.1	(D)	.1
10 TO 19 EMPLOYEES	9	.1	.9	.1	.2	.6	1.7	1.8	3.6	(D)	.2
20 TO 49 EMPLOYEES	15	.5	4.2	.4	.8	2.8	8.2	4.1	11.8	1.4	1.6
50 TO 99 EMPLOYEES	12	.9	6.0	.8	1.5	3.9	10.3	9.2	19.5	1.1	1.7
100 TO 249 EMPLOYEES	8	1.1	7.7	.9	1.9	5.6	14.9	14.1	27.0	.8	5.7
250 TO 499 EMPLOYEES	7	2.2	13.7	1.6	3.2	7.9	26.2	20.0	45.5	.8	3.8
500 TO 999 EMPLOYEES	11	8.2	55.7	5.9	12.9	35.5	91.9	138.0	233.8	7.6	35.8
1,000 TO 2,499 EMPLOYEES	5	8.8	68.2	4.6	9.4	31.4	100.5	34.2	140.2	5.4	6.9
2,500 EMPLOYEES OR MORE	4	15.0	127.4	8.2	16.4	59.7	153.9	53.0	203.3	(D)	35.5
ESTABS. COVERED BY ADMIN. RECORDS [3]	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: (D) Withheld to avoid disclosing figures for individual companies. Data for this item are included in the underscored figures above. - Represents zero. (X) Not applicable. (NA) Not available. [e] Over 30 percent of the data for this line was estimated. (Z) Under 50 thousand (or under 50 employees.)

[1] See table 1A, footnote 3.

[2] Represents value of work done.

[3] Report forms were not mailed to companies that operated only one establishment and which Social Security payrolls indicated had fewer than 10 employees. Actual payrolls (and sales) for 1967 were obtained from administrative records of the Federal Government. The other statistics for these establishments were estimated from industry averages.

TABLE 5A. Industry-Product Analysis—Industry and Primary Product Shipments; Specialization Ratios and Coverage Ratios: 1967 and 1963

An establishment is assigned to an industry based on the shipment values of products representing the largest amount considered as primary to an industry. Frequently the establishment shipments comprise mixtures of products assigned to an industry (primary products), those considered primary to other industries (secondary products of a given industry) and receipts for activities such as merchandising or contract work. This product pattern for an industry is shown in columns A through D and the primary product specialization ratio in column E. The extent to which the given industry's primary products are shipped by establishments classified in and out of the given industry is summarized in columns F through H and shown as a ratio in column I.

Ind. code	Industry and census year	Value of shipments					Value of primary product shipments			
		Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B+C (percent)	Total, made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
		A	B	C	D	E	F	G	H	I
1925	Complete guided missiles 1967	[1]4,640.5	[1]3,749.6	465.3	425.6	89	[1]4,367.3	[1]3,749.6	[1]617.7	86
	1963	[1]3,053.9	[1]2,734.8	175.7	143.4	94	[1]3,957.2	[1]2,734.8	[1]1,222.4	69
1929	Ammunition, except small arms, n.e.c. 1967	2,464.2	2,102.4	186.9	174.9	92	2,462.0	2,102.4	359.6	85
	1963	503.0	290.3	123.4	89.3	70	355.9	290.3	65.6	82
1931	Tanks and tank components 1967	394.1	312.1	54.3	27.7	85	409.3	312.1	97.2	76
	1963	394.1	358.0	17.7	18.4	95	454.4	358.0	96.4	79
1941	Sighting and fire control equipment 1967	101.5	(D)	(D)	(D)	50-60	107.2	(D)	(D)	40-50
	1963	156.6	85.7	65.6	5.3	57	107.0	85.7	21.2	80
1951	Small arms 1967	384.0	340.8	27.9	15.3	92	361.7	340.8	20.9	94
	1963	133.0	122.2	5.9	4.9	95	148.5	122.2	26.3	82
1961	Small arms ammunition 1967	595.9	564.9	18.5	12.5	97	572.8	564.9	7.9	99
	1963	192.5	176.6	(2)	[2]15.8	85-100	192.4	176.6	15.8	92
1911 and 1999	Guns, howitzers, and mortars and ordnance and accessories, n.e.c. 1967	687.5	522.7	127.2	37.6	80	857.6	522.7	334.9	61
	1963	351.0	175.5	49.2	126.3	78	255.9	175.5	80.4	69

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms, for discussion of items.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents value of work done.

[2]For industry 1961, secondary products are included with miscellaneous receipts in 1963.

TABLE 5B. Industry-Product Analysis—Shipments by Product Class and Industry: 1967

In millions of dollars. This table shows where products of an industry (referred to as primary and listed in table 6A) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Read across to determine where the products of the industries in this chapter are produced. To the extent that some of the primary products are made by industries not included in this chapter, the value of such shipments is shown in the "other industries" column. The specific other industries are listed at the end of the table if they account for more than $2 million of the products primary to this chapter.

Product code	Class of products, industry and miscellaneous receipts	All industries	Complete guided missiles (SIC 1925)	Ammunition, except for small arms, n.e.c. (SIC 1929)	Tanks and tank components (SIC 1931)	Sighting and fire control equipment (SIC 1941)	Small arms (SIC 1951)	Small arms ammunition (SIC 1961)	Guns, howitzers, and mortars and ordnance and accessories, n.e.c. (SIC 1911 and 1999)	Other industries
	Total shipments and miscellaneous receipts	(X)	4,640.5	2,464.2	394.1	101.5	384.0	595.9	687.5	(X)
1925-	Complete guided missiles	4,367.3	3,749.6	(2-5)	-	-	-	-	0.2	(500-1,000)
19251	Missile systems (excluding propulsion)	815.7	749.4	(under 2)	-	-	-	-	-	(50-100)
19252	Space vehicle systems (excluding propulsion)	1,203.2	(500-1,000)	-	-	-	-	-	-	(200-500)
19253	Research and development on complete missiles	867.6	(500-1,000)	-	-	-	-	-	-	(20-50)
19254	Research and development on complete space vehicles	743.6	674.1	-	-	-	-	-	-	69.5
19255	All other services on complete missiles and space vehicles	734.7	668.6	(2-5)	-	-	-	-	-	(50-100)
19250	Complete, guided missiles, n.s.k.	2.5	2.3	-	-	-	-	-	0.2	-
1929-	Ammunition, except for small arms, n.e.c.	2,462.0	(D)	2,102.4	-	-	-	-	(D)	333.3
19291	Artillery ammunition over 30mm (or over 1.18 inches)	1,230.8	-	1,064.5	-	-	-	(D)	(D)	140.0
19292	Receipts for ammunition loading and assembly, over 30mm (or over 1.18 inches)	222.8	-	(D)	-	-	-	-	-	(D)
19293	Ammunition, except for small arms, n.e.c.	995.8	(D)	(D)	-	-	-	-	(D)	(D)
19290	Ammunition, except for small arms, n.e.c., n.s.k.	12.7	-	12.6	-	-	-	-	-	(Z)
19310	Tanks and tank components	409.3	-	(D)	312.1	-	-	(D)	(D)	92.8
19410	Sighting and fire control equipment made from purchased lenses	107.2	(under 2)	-	-	(over 2)	-	-	(under 2)	(over 2)
1951-	Small arms	361.7	-	(Z)	(D)	-	340.8	-	(D)	(D)
19511	Machine guns, 30mm and under (or 1.18 inches and under)	358.6	-	(Z)	(D)	-	337.9	-	(D)	(D)
19512	Small arms, 30mm. and under (or 1.18 inches and under)									
19510	Small arms, n.s.k.	2.9	-	-	-	-	2.9	-	-	-
19610	Small arms ammunition, 30mm. and under (or 1.18 inches and under)	572.8	-	-	(under 2)	-	(under 2)	564.9	(under 2)	(2-5)
19110	Guns, howitzers, mortars, and related equipment, over 30mm. (or over 1.18 inches)	51.9	-	(D)	-	-	(D)	-	16.5	32.4
19990	Ordnance and accessories, n.e.c.	805.7	43.2	41.7	(5-10)	-	(over 2)	(over 2)	506.2	190.3
	Other product shipments by 4 digit product group									
2511	Wood household furniture	(X)	-	-	-	-	-	-	(over 2)	(X)
2522	Metal office furniture	(X)	-	-	-	-	-	-	(over 2)	(X)
2531	Public building furniture	(X)	-	(over 2)	-	-	-	-	-	(X)
2731	Book publishing	(X)	-	-	-	(over 2)	-	(under 2)	-	(X)
2892	Explosives	(X)	-	(over 2)	-	-	-	-	-	(X)
2899	Chemical preparations, n.e.c.	(X)	-	(over 2)	-	-	-	-	(over 2)	(X)
3079	Miscellaneous plastics products	(X)	-	(over 2)	-	-	-	-	-	(X)
3429	Hardware, n.e.c.	(X)	-	(5-10)	-	-	(under 2)	-	-	(X)
3433	Heating equipment, except electric	(X)	-	-	-	-	-	-	(over 2)	(X)
3443	Fabricated platework (boiler shop products)	(X)	-	(5-10)	(under 2)	-	-	-	-	(X)
3461	Metal stampings	(X)	-	(under 2)	-	-	-	(under 2)	2.5	(X)
3498	Fabricated size and fittings	(X)	-	(over 2)	-	-	-	-	-	(X)
3499	Fabricated products, n.e.c.	(X)	-	(under 2)	-	-	-	(over 2)	-	(X)
3511	Steam engines and turbines	(X)	-	-	-	-	-	-	(over 2)	(X)
3522	Farm machinery	(X)	-	(under 2)	(over 2)	-	-	-	-	(X)
3531	Construction machinery	(X)	-	(5-10)	-	-	-	(under 2)	-	(X)
3532	Mining machinery	(X)	-	(2-5)	-	-	-	-	-	(X)
3552	Textile machinery	(X)	-	-	-	-	(over 2)	-	(under 2)	(X)
3559	Special industry machinery, n.e.c.	(X)	-	(over 2)	(under 2)	-	-	-	(5-10)	(X)
3611	Electric measuring instruments	(X)	-	-	-	(10-20)	-	-	(Z)	(X)
3621	Motors and generators	(X)	-	(over 2)	-	-	-	-	-	(X)

See footnotes at end of table.

TABLE 5B. Industry-Product Analysis--Shipments by Product Class and Industry: 1967--Continued

Product code	Class of products, industry and miscellaneous receipts	All industries	Complete guided missiles (SIC 1925)	Ammunition, except for small arms, n.e.c. (SIC 1929)	Tanks and tank components (SIC 1931)	Sighting and fire control equipment (SIC 1941)	Small arms (SIC 1951)	Small arms ammunition (SIC 1961)	Guns, howitzers, and mortars, and ordnance and accessories, n.e.c. (SIC 1961 and 1999)	Other industries
	Other product shipments by 4 digit product group--Continued									
3622	Industrial controls	(X)	-	-	-	-	(under 2)	-	(over 2)	(X)
3644	Noncurrent carrying wiring devices	(X)	-	-	-	-	-	-	(over 2)	(X)
3662	Radio and TV communication equipment	(X)	111.1	28.4	-	(over 2)	(over 2)	-	(2-5)	(X)
3711	Motor vehicles	(X)	-	-	(10-20)	-	-	-	-	(X)
3714	Motor vehicle parts and accessories	(X)	-	(under 2)	0.9	-	(over 2)	(under 2)	(under 2)	(X)
3721	Aircraft	(X)	(over 2)	-	-	-	-	-	-	(X)
3722	Aircraft engines and engine parts	(X)	44.3	(under 2)	(Z)	(under 2)	-	-	1.3	(X)
3729	Aircraft equipment, n.e.c.	(X)	194.4	(20-50)	(under 2)	(2-5)	(over 2)	-	26.9	(X)
3731	Ship building and repairing	(X)	(10-20)	-	-	-	-	-	-	
3742	Railroad and street cars	(X)	-	-	(over 2)	-	-	-	-	(X)
3799	Transportation equipment, n.e.c.	(X)	-	(2-5)	-	-	-	-	(under 2)	(X)
3811	Engineering and scientific instruments	(X)	(Z)	(under 2)	-	(under 2)	-	-	(2-5)	(X)
3821	Mechanical measuring devices	(X)	-	(under 2)	(under 2)	(2-5)	-	-	(under 2)	(X)
3841	Surgical and medical instruments	(X)	-	-	-	(over 2)	-	-	-	(X)
3871	Watches and clocks	(X)	-	(2-5)	-	-	-	-	-	(X)
3849	Sporting and athletic goods, n.e.c.	(X)	-	-	-	-	(over 2)	(2-5)	-	(X)
	All secondary products	(X)	72.3	116.6	53.4	(D)	27.9	18.5	96.3	(X)
	Miscellaneous receipts	(X)	425.6	175.1	27.7	(D)	15.3	12.5	37.6	(X)
	Contract work	(X)	190.7	(50-100)	(under 2)	(D)	(under 2)	(under 2)	20.6	(X)
	Sales of scrap and refuse	(X)	(under 2)	18.5	(under 2)	-	0.2	4.0	(D)	(X)
	Receipts for installation	(X)	(over 2)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
	Products bought and resold	(X)	(100-200)	(20-50)	(over 2)	(D)	8.4	(2-5)	6.3	(X)
	Other miscellaneous receipts	(X)	15.1	(over 2)	(over 2)	(D)	(under 2)	(2-5)	(5-10)	(X)

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products	
1911	3312 Blast furnaces and steel mills	(10-20)
	3452 Bolts, nuts, rivets, and washers	(over 2)
	3533 Oilfield machinery	(over 2)
	3722 Aircraft engines and engine parts	(over 2)
1925	3662 Radio and TV communication equipment	42.4
	3721 Aircraft	435.1
	3722 Aircraft engines and engine parts	(10-20)
	3729 Aircraft equipment, n.e.c.	122.6
1929	2892 Explosives	(over 2)
	3261 Vitreous plumbing fixtures	(over 2)
	3433 Heating equipment, except electric	(over 2)
	3461 Metal stampings	(over 2)
	3499 Fabricated metal products, n.e.c.	(over 2)
	3522 Farm machinery	(over 2)
	3521 Construction machinery	(over 2)
	3582 Commercial laundry equipment	(over 2)
	3599 Miscellaneous machinery, except electrical	(10-20)
	3565 Household vacuum cleaners	(over 2)
	3662 Radio and TV communication equipment	(20-50)
	3714 Motor vehicle parts and accessories	(10-20)
	3722 Aircraft engines and engine parts	(50-100)
	3729 Aircraft equipment, n.e.c.	54.3

Product code	Class of products, industry and miscellaneous receipts	Other industries
	Listing of other industries with over $2 million shipments of the primary products--Continued	
1929--Continued	3822 Automatic temperature controls	(over 2)
	3861 Photographic equipment and supplies	(over 2)
	3871 Watches and clocks	(20-50)
1931	3323 Steel foundries	(over 2)
	3585 Refrigeration machinery	(5-10)
	3562 Radio and TV communications equipment	(5-10)
	3714 Motor vehicle parts and accessories	(5-10)
	3722 Aircraft engines and engines parts	(over 2)
	3729 Aircraft equipment, n.e.c.	3.4
	3742 Railroad and street cars	(over 2)
1951	3714 Motor vehicle parts and accessories	(over 2)
1999	3317 Steel pipe and tubes	(over 2)
	3352 Aluminum rolling and drawing	(over 2)
	3461 Metal stampings	(5-10)
	3635 Household vacuum cleaners	(over 2)
	3651 Radio and TV receiving sets	(over 2)
	3662 Radio and TV communication equipment	41.3
	3714 Motor vehicle parts and accessories	5.5
	3721 Aircraft	(over 2)
	3722 Aircraft engines and engine parts	18.4
	3729 Aircraft equipment, n.e.c.	45.7
	3861 Photographic equipment and supplies	(10-20)

Note: Data shown parenthetically are ranges expressed in millions of dollars. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Value of work done (million dollars)	
		1967	1963
1925- --	GUIDED MISSILES AND SPACE VEHICLES, COMPLETELY ASSEMBLED, TOTAL[1]	4,367.3	4,032.8
19251 11	Complete missiles, excluding propulsion	815.7	1,241.8
19252 --	Space vehicle systems (excluding propulsion)	1,203.2	478.0
	Complete space vehicles for U.S. Government military customers:		
19252 21	Unmanned	480.8	52.8
19252 23	Manned	50.5	
19252 27	Booster stages, excluding engines	7.7	
	Complete space vehicles for U.S. Government nonmilitary customers:		
19252 31	Unmanned	61.2	425.2
19252 33	Manned	308.6	
19252 37	Booster stages, excluding engines	294.4	
19253 11	Research and development on complete missiles	867.6	778.1
19254 --	Research and development on complete space vehicles	743.6	850.1
19254 13	For U.S. Government military customers	120.1	205.1
19254 15	For U.S. Government nonmilitary customers	623.5	645.0
19255	All other services on complete missiles and space vehicles	734.7	684.7
19255 11	All other services on complete missiles	505.5	593.9
	All other services on complete space vehicles:		
19255 13	For U.S. Government military customers	48.5	39.9
19255 15	For U.S. Government nonmilitary customers	155.6	50.1
19255 23	For nongovernment customers	25.1	0.8
19250 00	Guided missiles and space vehicles, completely assembled, n.s.k	2.5	-
		Total shipments including interplant transfers (million dollars)	
		1967	1963
1929- --	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C., TOTAL	2,462.0	355.9
19291 --	Artillery ammunition, over 30 mm (or over 1.18 inches)	1,230.8	169.2
19292 11	Receipts for ammunition loading and assembly, over 30 mm (or over 1.18 inches)	222.8	
19293 --	Ammunition, n.e.c	995.8	186.7
19290 00	Ammunition, n.e.c., n.s.k. (Represents primarily establishments with 10 or more employees in 1967. See Note.)	12.5	
19290 02	Ammunition, n.e.c., n.s.k. (Represents primarily establishments with less than 10 employees in 1967. See Note.)	0.2	(X)
		Value (million dollars)	
		1967	1963
1931- --	TANKS AND TANK COMPONENTS	409.3	454.4
		Total value of shipments including interplant transfers (million dollars)	
		1967	1963
1941- --	SIGHTING AND FIRE CONTROL EQUIPMENT	107.2	107.0
19410 62	As reported in the census of manufactures	107.2	107.0
	As reported on Census annual Form MA-38B	106.8	104.3

TABLE 6A. Products and Product Classes–Quantity and Value of Shipments by All Producers: 1967 and 1963–Continued

(Includes quantity and value of the products reported not only by establishments classified in this industry, but also by establishments classified in other industries, and shipping these products as "secondary" products. See Appendix, Explanation of Terms, "Value of shipments")

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (1,000 units)	Value (million dollars)	Quantity (1,000 units)	Value (million dollars)
1951- --	SMALL ARMS, TOTAL	(X)	361.7	(X)	148.5
19512 32	Pistols and revolvers	1,053.0	45.8	496.1	19.7
	Rifles:				
19512 52	Center fire, repeating	999.0	90.8	324.4	18.2
	Rim fire:				
19512 54	Repeating	764.3	22.2	371.1	9.6
19512 56	Single shot	131.8	2.1	179.9	2.4
	Shot guns:				
	Single barrel:				
19512 62	Repeating	617.0	38.3	321.9	17.9
19512 63	Single shot	284.2	8.3	281.2	7.5
19512 64	Double barrel, including over and under type				
	Other small firearms, 30 mm. and under, including machine guns:				
19511 13	Shipped under U.S. military contract				
19512 72					
19511 53	Shipments under other than U.S. military contracts	(X)	151.2	(X)	68.8
19512 75					
19512 81	Parts and attachments for small firearms				
19510 00	Small arms, 30 mm. and under, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	(X)	2.1	(X)	4.5
19510 02	Small arms, 30 mm. and under, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	(X)	0.8		

Product code	Product	Value (million dollars)	
		1967	1963
1961- --	SMALL ARMS AMMUNITION, 30 MM. AND UNDER, TOTAL	572.8	192.4
19610 12	Shipped under U.S. military contract	429.3	82.1
	Shipments other than U.S. military contracts:		
	For small firearms (rifles, shotguns, and sidearms):		
	Cartridges:		
19610 83	Rim fire	56.5	41.5
19610 85	Center fire		
19610 87	Shotgun shells	71.7	49.7
19610 89	All other, including for machine gun, air rifle, B-B gun, etc	12.5	14.6
19610 00	Small arms ammunition, n.s.k. (Represents establishments with 10 employees or more in 1967. See Note.)	1.8	4.4
19610 00	Small arms ammunition, n.s.k. (Represents establishments with fewer than 10 employees in 1967. See Note.)	1.0	

Product code	Product	Total shipments including interplant transfers			
		1967		1963	
		Quantity (million units)	Value (million dollars)	Quantity (million units)	Value (million dollars)
1911- --	GUNS, HOWITZERS, AND MORTARS, AND RELATED EQUIPMENT, OVER 30 MM. OR OVER 1.18 INCHES	(X)	51.9	(X)	12.4
1999- --	ORDNANCE AND ACCESSORIES, N.E.C	(X)	805.7	(X)	243.5

Note: In the 1967 Census of Manufactures, data for establishments of small companies, typically those with fewer than 10 employees, were estimated from administrative records rather than collected from respondents. These estimated shipments which are further discussed in the text are included in the code ending with "002." Such establishments were usually mailed a "short form" in the 1963 Census of Manufactures. These short forms typically provided for coding products to the product class level (5 digits) followed by "00" rather than only to the 4-digit level followed by "000." Therefore, the 1963 "n.s.k." (000) figure is not strictly comparable to the total of the two "n.s.k." (000 and 002) figures in 1967. In addition to the 1967 "n.s.k." (code 002) resulting from the above, in both the 1967 and 1963 censuses of manufactures, products which were not completely identified on the standard forms were coded to the appropriate product class code (5 digits) followed by "00," or in some cases to the appropriate product group code (4 digits) followed by "000."

Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Includes data only for privately-owned and/or operated establishments. Government-owned and operated establishments are excluded.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [e] From 10 to 30 percent of this figure was estimated.

[1] Data for this industry represent receipts, billings, or value of work done.

TABLE 6B. Product Classes-Value Shipped by All Manufacturing Establishments, by Geographic Areas: 1967 and 1963

(Indexes of production and unit value are not shown for this area pending further review of the quantity data and associated values pertaining to these products.)

TABLE 6C. Product Classes-Quantity and Value Shipped by All Manufacturing Establishments: 1947, 1954, 1958, 1963 to 1967

(In millions of dollars)

Code	Product class	1967	1966[1]	1965[1]	1964[1]	1963	1958	1954	1947
19110	Guns, howitzers, mortars, and related equipment, over 30 mm. (or over 1.18 inches)	51.9	37.3	16.4	11.8	12.4	(NA)	(NA)	(NA)
1925-	Complete guided missiles[2]	4,367.3	r4,346.2	3,859.8	3,892.5	4,032.8	1,886.7	(NA)	(NA)
19251	Missile systems	815.7	r1,992.9	1,531.2	1,632.8	1,719.8	900.8	(NA)	(NA)
19252	Space vehicle systems	1,203.2							
19253	Research and development on complete missiles	867.3	1,742.6	1,721.2	1,481.8	1,628.2	985.8	(NA)	(NA)
19254	Research and development on complete space vehicles	743.6							
19255	All other services on complete missiles and space vehicles	734.7	610.7	607.3	777.9	684.7			
19250	Complete guided missiles, n.s.k.	2.9	-	-	-	-	-	-	-
1929-	Ammunition, n.e.c.	2,462.0	r840.5	295.4	281.2	355.9	(NA)	(NA)	(NA)
19291	Ammunition over 30 mm. (or 1.18 inches and over), n.e.c.	1,230.8							
19292	Receipts and ammunition loading and assembly over 30 mm. (or over 1.18 inches)	222.8	558.0	198.0	158.3	169.2	(NA)	(NA)	(NA)
19293	Ammunition, n.e.c.	995.8	r282.5	97.5	122.9	186.7	(NA)	(NA)	(NA)
19290	Ammunition, n.e.c., n.s.k.	12.7							
19310	Tanks and tank components	409.3	288.5	207.0	322.1	454.4	(NA)	(NA)	(NA)
19410	Sighting and fire control equipment[2]	107.2	84.3	104.4	86.4	107.0	(NA)	(NA)	(NA)
1951-	Small arms, 30 mm. and under	361.7	247.4	172.5	155.1	148.5	86.0	56.4	54.9
19610	Small arms, ammunition	572.8	450.8	229.9	208.6	192.4	150.7	(NA)	(NA)
19990	Ordance and accessories, n.e.c.	805.7	r519.2	430.4	282.2	243.5	(NA)	(NA)	(NA)

Note: See "Note" to table 6A for an explanation of "n.s.k." product classes. Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations. See Appendix, Explanation of Terms.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. rRevised.

[1]These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, therefore, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. The figures shown in parentheses for the value of shipments either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. Thus, at the individual product level, the estimates may be of limited reliability; however, they may be combined with other product-class totals into broader aggregates which are of acceptable reliability.

[2]Represents value of work done.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 1925.--COMPLETE GUIDED MISSLES					
	Materials, parts, containers, and supplies, total	...	(X)	970.0	(X)	985.5
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.			2.2	0.7
331013	Plates	...do...			2.1	0.5
331015	Structural shapes	...do...			1.2	0.3
331012	Sheet and strip	...do...	(NA)	3.0		
331017	Wire and wire products	...do...			2.8	0.8
331019	All other carbon steel mill shapes and forms	...do...				
	Alloy steel:					
331021	Bars and bar shapes	...do...	4.1	4.3	0.2	0.1
331029	All other alloy steel mill shapes and forms	...do...			0.1	0.2
331031	Stainless steel	...do...	2.0	3.5	0.5	1.3
	Copper and copper-base alloy:					
335728	Bare wire for electrical conduction	Million lbs.	0.1	0.3		
335790	Insulated wire and cable	Million lbs. (copper content)	1.1	2.5	1.4	3.9
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.			(Z)	(Z)
335123	Plate, sheet, and strip, including military cups and discs	...do...	(NA)	0.2	(D)	(D)
335127	Pipe and tube	...do...			(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do...	11.6	11.0	5.9	5.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do...	9.8	8.4		
335209	All other aluminum mill shapes and forms (wire, rolled, rod, bar, powder, welded tubing, etc.)	...do...	4.1	2.0	6.2	6.8
	Castings (rough and semifinished):[1]					
332300	Steel	1,000 short tons.	0.7	0.5	0.1	0.2
336100	Aluminum and aluminum-base alloy	Million lbs.	1.5	3.3	2.1	2.6
336200	Copper and copper-base alloy	...	(D)	(D)	(D)	(D)
	Forgings:[1]					
339100	Iron and steel	1,000 short tons.	0.2	0.7	0.3	0.9
339200	Aluminum and aluminum-base alloy	Million lbs.	1.2	1.3	2.0	2.9
	Electric motors and generators:[1]					
	Fractional horsepower electric motors (under 1 hp.):					
362110	Timing motors, synchronous and subsynchronous	1,000	(D)	(D)	1.0	0.2
362115	Other fractional horsepower motors	...	(D)	(D)	(D)	(D)
362120	Integral hp. motors and generators	...	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball	...	(X)	0.3	(X)	1.0
356228	Roller	...	-	-		
970099	All other materials and components, parts, containers, and supplies consumed	...	(X)	788.5	(X)	r955.0
976000	Materials, parts and supplies, n.s.k[2]	...	(X)	140.2	(X)	3.0
	INDUSTRY 1929.--AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.					
	Materials, parts, containers, and supplies, total	...	(X)	1,260.8	(X)	180.3
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	425.4	61.2	44.5	6.4
331012	Sheet and strip	...do...	23.2	6.0	33.1	5.5
331013	Plates	...do...				
331015	Structural shapes	...do...				
331017	Wire and wire products	...do...	[3]207.0	[3]40.3	38.2	6.3
331019	All other carbon steel mill shapes and forms	...do...				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do...				
331029	All other alloy steel mill shapes and forms	...do...	33.9	10.1	14.3	12.4
331031	Stainless steel	...do...				

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967 Quantity	1967 Delivered cost (million dollars)	1963 Quantity	1963 Delivered cost (million dollars)
	INDUSTRY 1929.--AMMUNITION, EXCEPT FOR SMALL ARMS--Continued					
	Materials, parts, containers, and supplies--Continued					
	Mill shapes and forms (except castings)--Continued					
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction)	Million pounds	(D)	(D)		
335790	Insulated wire and cable	Million pounds (copper content)	(D)	(D)	0.1	0.1
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million pounds	11.9	4.9	1.1	0.7
335123	Plate, sheet, and strip, including military cups and discs	...do	1.9	0.8	5.6	2.5
335127	Pipe and tube	...do	(4)	(4)		
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	11.1	6.0	3.3	1.7
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	36.4	19.5	10.8	5.4
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do			32.2	19.8
333401	Aluminum and aluminum-base alloy refinery shapes	1,000 short tons	-	-	(D)	(D)
999811	Iron and steel scrap (excluding home scrap)	...do	-	-	(D)	(D)
999808	Aluminum and aluminum-base alloy scrap (excluding home scrap)	...do	(D)	(D)	(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	12.4	7.6	4.6	1.0
332300	Steel	...do	2.5	1.2	1.2	0.7
336100	Aluminum and aluminum-base alloy	Million pounds	5.1	7.8	0.5	0.5
336200	Copper and copper-base alloy		0.1	0.1	(1)	(1)
	Forgings:[1]					
339100	Iron and steel forgings	1,000 short tons	97.2	42.4	1.2	0.6
339200	Aluminum and aluminum-base alloy forgings	Million pounds	3.3	5.4	(D)	(D)
	Fractional horsepower electric motors (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	1,000	(D)	(D)	(D)	(D)
362115	Other fractional horsepower electric motors and generators, excluding timing motors	...do	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball		(X)	(D)	(X)	0.1
356228	Roller					
970099	All other materials and components, parts, containers, and supplies consumed		(X)	963.1	(X)	[1]112.0
976000	Materials, parts, containers and supplies, n.s.k.[2]		(X)	84.4	(X)	4.6
	INDUSTRY 1931.--TANKS AND TANK COMPONENTS					
	Materials, parts, containers, and supplies, total		(X)	229.0	(X)	255.9
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 tons				
331012	Sheet and strip	...do			7.7	3.8
331013	Plates	...do				
331017	Wire and wire products	...do				
331019	All other carbon steel mill shapes and forms	...do	64.2	42.7		
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do			33.5	20.9
331029	All other alloy steel mill shapes and forms	...do				
331031	Stainless steel	...do			0.2	0.4
	Copper and copper-base alloy:					
335790	Insulated wire and cable		(D)	(D)	(D)	(D)
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs	0.2	0.2	(D)	(D)
335127	Pipe and tube	...do			(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet plate and foil	...do			(D)	(D)
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do	17.1	13.3	(D)	(D)
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do			(D)	(D)
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)		(D)	(D)	(D)	(D)
332300	Steel	1,000 tons	(D)	(D)	31.8	29.5
336100	Aluminum and aluminum-base alloy		(D)	(D)	(D)	(D)

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 1931.--TANKS AND TANK COMPONENTS--Continued					
	Material, parts, containers, and supplies--Continued					
	Forgings:[1]					
339100	Iron and steel	1,000 tons	(D)	(D)	9.3	5.1
339200	Aluminum and aluminum-base alloy		(D)	(D)	(D)	(D)
	Fractional horsepower electric motors and generators (under 1 hp.):[1]					
362115	Other fractional horsepower electric motors and generators, excluding timing motors		(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball		(D)	(D)	(X)	1.3
356228	Roller		(D)	(D)		
970099	All other materials and components, parts, containers, and supplies consumed		(X)	116.4	(X)	181.3
976000	Materials, parts, containers and supplies, n.s.k.[2]		(X)	56.4	(X)	13.6
	INDUSTRY 1951.--SMALL ARMS					
	Materials, parts, containers and supplies, total		(X)	148.9	(X)	39.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons	11.2	2.9	8.4	1.9
331012	Sheet and strip	...do	3.6	1.0	4.9	1.8
331013	Plates	...do	1.2	0.9	0.4	0.4
331017	Wire and wire products	...do				
331019	All other carbon steel mill shapes and forms	...do				
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do	4.2	2.2	5.5	2.0
331029	All other alloy steel mill shapes and forms	...do	1.9	0.9		
331031	Stainless steel	...do	0.6	0.8		
	Copper and copper-base alloy:					
335728	Bare wire (for electrical conduction only)	Million lbs	(D)	(D)	-	-
335790	Insulated wire and cable	Million lbs. (copper content)	(D)	(D)		
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs	0.5	0.4	(D)	(D)
335123	Plate, sheet, and strip (including military cups and discs	...do			-	-
335127	Pipe and tube	...do			-	-
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do	3.2	2.1	(NA)	0.1
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc.	...do				
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, and welded tubing, etc.)	...do				
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	1,000 short tons	(NA)	6.8	1.6	0.8
332300	Steel				(D)	(D)
336100	Aluminum and aluminum-base alloy	Million lbs			0.6	0.3
	Forgings:[1]					
339100	Iron and steel	1,000 short tons	(D)	(D)	1.8	1.9
339200	Aluminum and aluminum-base alloy	Million lbs	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball		(X)	1.0	(X)	(D)
356201	Roller		(X)	0.2	(X)	(D)
970099	All other materials and components, parts, containers, and supplies consumed		(X)	91.7	(X)	26.1
976000	Materials, parts, and supplies, n.s.k[2]		(X)	38.0	(X)	4.3

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963—Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 1961.--SMALL ARMS AMMUNITION					
	Materials, parts, containers and supplies, total	.....	(X)	311.7	(X)	79.7
	Mill shapes and forms (except castings):					
	Carbon steel:					
331017	Wire and wire products	1,000 short tons..				
331012	Sheet and strip	...do.....				
331013	Plates	...do.....				
331011	Bar and bar shapes	...do.....				
331019	All other carbon steel mill shapes and forms	...do.....				
			155.9	85.5	4.1	2.4
	Alloy steel (except stainless):					
331021	Bar and bar shapes	...do.....				
331029	All other alloy steel mill shapes and forms	...do.....				
331031	Stainless steel	...do.....				
	Copper and copper-base alloy:					
335102	Rod, bar, and mechanical wire, including extruded and/or drawn shapes	Million lbs.....			(D)	(D)
335123	Plate, sheet, and strip, including military cups and discs	...do.....	203.5	110.9	(D)	(D)
335127	Pipe and tube	...do.....			-	-
	Aluminum and aluminum base alloy:					
335202	Sheet, plate, and foil	.....	(D)	(D)	(NA)	(NA)
335205	Extruded shapes, including extruded rod, bar, pipe, tube, etc	.....	(D)	(D)	(NA)	(NA)
335209	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, and welded tubing, etc	.....	(D)	(D)	(NA)	(NA)
	Bearings:					
356218	Ball	.....	(D)	(D)	(D)	(D)
356228	Roller	.....	(D)	(D)	(D)	(D)
970099	All other materials and components, parts, container, and supplies consumed	.....	(X)	110.1	(X)	76.0
976000	Materials, parts, containers and supplies, n.s.k.[2]	.....	(X)	5.2	(X)	1.3
	INDUSTRY 1911 AND 1999.--GUNS, HOWITZERS, AND MORTARS, AND ORDNANCE AND ACCESSORIES, N.E.C.					
	Materials, parts, containers and supplies, total	.....	(X)	245.4	(X)	103.0
	Mill shapes and forms (except castings):					
	Carbon steel:					
331011	Bars and bar shapes	1,000 short tons.	23.5	5.5	2.6	0.5
331012	Sheet and strip	...do.....	14.2	2.7	16.3	2.2
331013	Plates	...do.....				
331015	Structural shapes	...do.....				
331017	Wire and wire products	...do.....	46.4	8.5	6.6	1.4
331019	All other carbon steel mill shapes and forms	...do.....				
	Alloy steel (except stainless):					
331021	Bars and bar shapes	...do.....				
331029	All other alloy steel mill shapes and forms	...do.....	5.9	3.7	1.0	1.3
331031	Stainless steel	...do.....	1.2	1.4		
	Copper and copper-base alloy:					
335728	Bare wire for electrical conduction	Million lbs.....	-	-	(D)	(D)
335790	Insulated wire and cable, copper content only	Million lbs. (copper content)	(D)	(D)	(D)	(D)
335102	Rod, bar, and mechanical wire including extruded and/or drawn shapes	Million lbs.....	0.3	0.3	(D)	(D)
335123	Plate sheet, and strip (including military cups and discs)	...do.....	0.2	0.2	(D)	(D)
	Aluminum and aluminum-base alloy:					
335202	Sheet, plate, and foil	...do.....	4.4	4.0	1.3	0.9
335205	Extruded shapes including extruded rod, bar, pipe, tube, etc.	...do.....				
335209	All other aluminum mill shapes and forms (wire, rolled rod, bar, powder, welded tubing, etc.)	...do.....	10.4	6.7	1.9	1.1
999811	Iron and steel purchased scrap	1,000 short tons.	(D)	(D)	-	-

See footnotes at end of table.

TABLE 7A. Materials Consumed, by Kind: 1967 and 1963–Continued

(See Appendix, Explanation of Terms)

Code	Material	Unit of measure	1967		1963	
			Quantity	Delivered cost (million dollars)	Quantity	Delivered cost (million dollars)
	INDUSTRY 1911 AND 1999.--GUNS, HOWITZERS, AND MORTARS, AND ORDNANCE AND ACCESSORIES, N.E.C.--Continued					
	Materials, parts, containers and supplies--Continued					
	Castings (rough and semifinished):[1]					
332011	Iron (gray and malleable)	...do	(D)	(D)	(D)	(D)
332300	Steel	...do	3.6	2.6	(D)	(D)
336100	Aluminum and aluminum-base alloy	Million lbs.	7.8	6.9	1.1	0.6
336200	Copper and copper-base alloy	...do	(D)	(D)	(D)	(D)
	Forgings:[1]					
339100	Iron and steel forgings	1,000 short tons.	2.2	4.5	0.7	1.2
339200	Aluminum and aluminum-base alloy forgings	Million lbs.	(NA)	0.4	(D)	(D)
	Fractional horsepower electric motor and generators (under 1 hp.):[1]					
362110	Timing motors, synchronous and subsynchronous	Millions	(D)	(D)	-	-
362115	Other fractional horsepower electric motors and generators excluding timing motors	...do	(D)	(D)	(D)	(D)
	Bearings:					
356218	Ball		(D)	(D)	(X)	(D)
356228	Roller		-	-	(X)	(D)
970099	All other materials and components, parts, containers and supplies consumed		(X)	154.1	(X)	92.1
976000	Materials, parts, and supplies, n.s.k.[2]		(X)	43.9	(X)	1.7

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. [c]From 10 to 30 percent of this figure was estimated.

[1]No data are available for the quantities of castings, forgings or electric motors and generators produced and consumed in the same establishment.

[2]This item represents the total cost of materials for establishments that did not report detailed materials data. For 1967, this includes estimates for companies that were not mailed report forms.

[3]These figures are understated by approximately 70 million because of apparent undercoverage of carbon pipe and tube.

[4]Included with material code 970099, "All other material and components, etc."

TABLE 7B. Fuels and Electric Energy Consumed: 1967

(See Appendix, Explanation of Terms)

Code	Item	Unit of measure	Complete guided missiles (SIC 1925)	Ammunition, except for small arms, n.e.c. (SIC 1929)
	Cost of purchased fuels and electric energy, total	Million dollars.	18.8	21.3
	Cost of purchased fuels, total	...do	3.0	8.8
	Purchased electric energy:			
	Quantity	Million kw.-hrs.	1,843.9	1.483.2
	Cost	Million dollars.	15.8	12.5
	Quantity of electric energy generated less quantity sold	Million kw.-hrs.	-	-
	Total energy used for heat and power[1]	Million kw.-hrs. equivalent	3,699.4	5.962.4

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1]Represents the quantity of purchased electric energy and the kilowatt hours equivalent of all fuels used for heat and power.

TABLE 8. General Statistics for Establishments, by Industry Specialization and Primary Product Class Specialization: 1967

This table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. The measures of plant specialization shown are (1) industry specialization--the ratio of primary product shipments to total product shipments, primary plus secondary, for the establishments; and (2) product class specialization--the ratio of the largest primary product class shipments to total product shipments, primary plus secondary, for the establishment. See appendix for method of computing these ratios. Statistics for establishments with specialization ratios of less than 75 percent are included in total lines but are not shown as separate class. In addition, data may not be shown, for some industries, product classes, or specialization ratios for various reasons, e.g., to avoid disclosure of individual company data.

Industry or product class code	Industry or product class by percent of specialization	Establishments	All employees		Production workers			Value added by manufacture [1]	Cost of materials	Value of shipments [1]	Capital expenditures, new
			Number	Payroll	Number	Man-hours	Wages				
		(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
1925	COMPLETE GUIDED MISSILES										
	ENTIRE INDUSTRY	65	201.4	2 098.7	70.2	142.9	587.0	[2] 3 338.8	1 537.6	[2] 4 640.5	111.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	46	158.8	1 678.8	54.8	111.4	463.1	2 719.5	1 34 .6	4 060.1	91.6
19251	MISSILE SYSTEMS (EXCLUDING PROPULSION) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	11	17.3	156.8	9.5	19.1	72.5	227.9	134.4	362.4	7.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19252	SPACE VEHICLE SYSTEMS (EXCLUDING PROPULSION) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	7	48.4	512.0	15.5	30.9	123.2	911.7	401.5	1 313.2	22.6
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19253	RESEARCH AND DEVELOPMENT ON COMPLETE MISSILES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	9	56.3	618.2	21.2	43.9	195.6	920.7	320.6	1 241.4	32.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19254	RESEARCH, DEVELOPMENT ON COMPLETE SPACE VEHICLES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	5	(D)	(D)	(D)	(D)	(D)	(D	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19255	OTHER SERVICES ON MISSILES AND SPACE VEHICLES (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	15	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	13	10.9	116.8	2.0	4.3	17.6	192.3	12.3	204.6	1.5
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, NEC										
	ENTIRE INDUSTRY	99	101.7	705.8	76.8	157.7	474.1	1 118.6	1 401.1	2 464.2	42.5
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	79	82.4	551.6	63.1	130.8	388.2	928.5	1 214.	2 087.2	(D)
19291	ARTILLERY AMMUNITION OVER 30MM (OR 1.18 INCHES) (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	35	44.0	296.9	30.8	65.8	195.2	469.2	836.4	1 255.9	(D)
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	31	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19292	AMMUNITION LOADING, ASSEMBLY OVER 30MM OR 1.18 IN (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	4	15.9	100.4	14.0	26.4	79.0	159.6	65.3	224.4	.4
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
19293	AMMUNITION, EXCEPT FOR SMALL ARMS, NEC (PRIMARY PRODUCT CLASS OF ESTABLISHMENT).	41	34.4	264.1	25.5	53.2	167.0	433.1	468.5	902.7	21.1
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	27	17.8	122.6	14.8	32.2	96.1	230.5	248.0	476.3	8.0
1931	TANKS AND TANK COMPONENTS										
	ENTIRE INDUSTRY	27	13.2	101.4	10.0	20.7	68.1	144.7	263.4	394.1	3.3
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	21	12.0	91.6	9.2	19.1	61.9	123.5	243.4	363.1	1.8
1911 AND 1999	GUNS, HOWITZERS, AND MORTARS AND ORDNANCE AND ACCESSORIES, NEC										
	ENTIRE INDUSTRY	98	36.9	284.4	22.6	46.5	147.9	409.1	275.7	687.5	17.7
	ESTABLISHMENTS WITH 75% OR MORE SPECIALIZATION.	72	22.3	173.8	13.5	21.1	89.1	251.4	137.0	384.6	7.8

Note: Detailed figures may not add to totals because of independent rounding or independent dropping of fractions of thousands (rather than rounding) in computer operations.

Standard notes: - Represents zero. (X) Not applicable. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies.

[1] See table 1, footnote 3.

[2] For industry 1925, represents value of work done.

TABLE 9. Establishments and Production Workers for Selected Metalworking Operations: 1967

(To be published in a separate subject chapter titled "Selected Metalworking Operations.")

Appendix A

EXPLANATION OF TERMS

Employment and Payrolls.—The census of manufactures provides information on employment and payrolls at operating establishments and central administrative offices and auxiliaries. On the standard forms for manufacturing establishments, the number of production workers by quarter and all other employees during the pay period including March 12 was requested. Form NC-X6, "Central Administrative Offices and Auxiliaries" called for employment as of March 12 only. Both forms called for salaries and wages paid for the year.

All Employees.—This category comprises all full-time and part-time employees who worked or received pay for any part of the pay periods including the 12th of the months specified on the report forms. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Excluded are members of the Armed Forces and pensioners carried on the active rolls but not working during the period. Officers of corporations are included as employees; proprietors and partners of unincorporated firms, however, are excluded.

In special cases, respondents were instructed to exclude agricultural or fishery employment and related data from their reports. These were sugar mills operated as part of plantations, canning or freezing plants operated in conjunction with farms, and fish processing plants engaged in fishing.

Production and Related Workers.—This category comprises workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, watchman services, product development, auxiliary production for plant's own use (for example, power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Supervisory employees above the working foreman level were excluded from this category.

All Other Employees.—These are defined as nonproduction personnel, including employees engaged in the following activities: Factory supervision above the working foreman level, sales (including driver-salesmen), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical. Also included are employees on the payroll engaged in the construction of major additions or alterations to the plant and utilized as a separate work force.

Average Employment.—The number of production workers as shown in the census tabulations is an average of the four quarterly figures reported by manufacturing plants. The "all employees" figure is the sum of this average and the reported number of other employees as of March 12.

Payrolls.—This category includes the gross annual earnings of employees on the payroll. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. This definition includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and saving bonds. The total includes salaries of officers of these establishments, if a corporation; it excludes payments to the proprietor or partners, if an unincorporated concern. Also excluded are payments to members of Armed Forces and pensioners carried on the active payroll.

The 1967 census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Bureau of the Budget. This definition does not include supplementary labor costs such as employer's Social Security contributions and other legally required expenditures, or payments for voluntary programs. Data on such supplementary labor costs were collected in the ASM and are scheduled for publication in the ASM reports, but are not included in the census volumes.

Man-Hours.—This total consists of all plant man-hours of production and related workers as defined above. It represents all man-hours at the plant including actual overtime hours, not straight-time equivalent hours. It excludes hours paid for vacations, holidays, or sick leave, when the employee was not actually at the plant. Where employees elected to work during the vacation period, the actual hours worked by such employees were reported.

Cost of Materials, etc., Consumed.—A summary inquiry on form MA-100 and the other manufacturing establishment report forms requested information on the cost of materials, supplies, semifinished goods, fuels, and electric energy actually consumed or put into production during the year and the cost of products purchased for resale, whether purchased, withdrawn from inventories, or received from other establishments of the company. Included also are the costs of materials supplied by the establishment which were processed elsewhere on contract for the establishment. "Cost" was defined as the direct charges actually paid or payable for items consumed or put into production during the year, after discounts, and including freight charges and other direct charges incurred by the establishment in acquiring the materials.

To arrive at the industry total "cost of materials, etc."[1] separate figures were obtained for (a) the total delivered cost of all raw materials, semifinished goods, parts, components, containers, scrap, and supplies consumed or put into production, (b) the amount paid for

[1] In some tables this category is designated simply as "cost of materials."

electric energy purchased; (c) the amount paid for all fuels consumed for heat, power, or the generation of electricity; (d) the cost of work done by others on materials or parts furnished by the reporting establishment (contract work); and (e) the cost of products bought and resold in the same condition.

It should be noted that the cost of fuel consumed under "(c)" above does not include fuel used as a material in the manufacturing process; for example, coal used in the production of coke. Such costs are included with other materials cost in category "(a)" above.

The total excludes the cost of services used, such as advertising, insurance, telephone, etc., and developmental, research, and consulting services of other establishments. It also excludes overhead costs, such as depreciation charges, rent, interest, royalties, etc., and materials, machinery, and equipment used in plant expansion or capitalized repairs which are chargeable to fixed assets accounts.

For materials received from other plants of the same company or from a central materials depot (whether at the same or different physical location), respondents were asked to value the items at their full economic value as produced, plus freight and other direct handling charges. The respondents were asked to check, where possible, that the cost equaled the value of shipments reported for the items by the company's plant which produced and transferred the goods, plus freight and other direct charges.

Value of Shipments.—Except in a few industries, the respondents were instructed to report net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. For a few industries, specifically noted in the text of the industry chapters, Volume II, delivered prices were requested if delivery by employees of the establishment was a routine practice, as in the milk and bakery industries.

For most industries, value of shipments is readily available from accounting records and is closely related to the value of production. In a small group of industries, however, value of production or of work done was requested. This instruction was of particular importance in the aircraft and shipbuilding industries, where the shipments or deliveries of complete units may be a poor approximation of the work actually done during a given year.

Manufacturers were asked to include as products shipped, not only the products made in the establishment but also those made elsewhere under contract from the materials owned by the establishment. Included were all products sold, transferred to other parts of the same company, or shipped on consignment. The duplication in value of shipments and cost of materials arising because of the shipment of semifinished products among manufacturing plants is discussed in Part III of the Introduction, which also includes comments on the valuation of intracompany shipments by multiunit firms.

Miscellaneous Receipts.—In addition, manufacturers reported receipts for contract work performed for others, resales (that is, the value of all products resold without further processing), receipts for miscellaneous activities such as sale of scrap and refuse, and the value of installation and repair work performed by the plant employees. Although the value of products bought and resold without further processing is included in the value of shipments totals for each industry, it is excluded from the figures for individual products or classes of products.

Value Added by Manufacture.—This figure is derived by subtracting the total cost of materials (including materials, supplies, fuel, electric energy, cost of resales and contract work done by others) from the value of shipments including resales, and other receipts and adjusting the resulting amount by the net change in finished products and work-in-process inventories between the beginning and end of the year.[2]

Value added avoids the duplication in the value of shipments figure which results from the inclusion of the shipments of establishments producing materials and components along with the shipments of establishments producing finished products. It is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Inventories.—The value of beginning-of-year and end-of-year inventories held by each manufacturing establishment was obtained in the 1967 census. Separate inventory figures were requested for (1) finished products; (2) work in process; and (3) materials, supplies, fuel, and other inventories.

Respondents were asked to report their inventories at approximate current costs if feasible; otherwise, at book value. Since different methods of inventory valuation are used (LIFO, FIFO, etc.), the value of inventories aggregated for all establishments in an industry is not precisely defined. The importance of reporting inventories on a comparable basis was emphasized in the instructions; thus the year-to-year change in inventories indicated by the census figures is of more significance than their level.

In using inventory data by stage of fabrication for all industries and at the 2-digit industry level, it should be noted that an item treated as a finished product by one establishment may be reported as a material by another establishment. For example, the finished product inventories of a steel mill would be reported as materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication for individual industries, industry groups, and all manufacturing, since these figures are merely aggregates of the figures reported by establishments.

Multiunit companies were instructed to include the inventories held by each establishment in that establishment's report. The inventory data tabulated on a geographic basis are believed, therefore, to reflect the actual physical holdings in each area, to the extent that the inventories were owned by the reporting companies. It is

[2] For a few industries (for example, aircraft, shipbuilding) where value of work done is substituted for value of shipments, no adjustment is made for change in inventories. In a few other industries where value of production is collected, the inventory adjustment is made only on the basis of change in work-in-process inventories.

not clear where goods owned by one company and stored by another were reported.

Special instructions on inventories were issued for two industries in the food group. Meatpacking establishments were told to report work in process separately only if separate records were maintained, otherwise to combine work in process with finished products. Distillers were instructed to include stocks of liquors held for aging as finished products, not as work in process.

Capital Expenditures.—Under this heading, manufacturers were instructed to report expenditures of the type chargeable to fixed assets accounts, for which depreciation reserves are normally maintained. Actual capital outlays during the year were requested, not the final value of equipment put in place or structures completed during the year. It was suggested to the respondents that capital expenditures, as thus defined, could be computed by the following formula: The cost of additions completed during the year, plus construction in progress at the end of the year, less construction in progress at the beginning of the year. It was specified that the census definition of capital expenditures was to be used in computing the gross value of fixed assets discussed below.

Capital expenditures include the cost of plant and equipment for replacement purposes, as well as for additions to productive capacity. Costs associated with plants under construction but not in operation during the year are also included. The method of collecting data for plants under construction is described in the Introduction, Section 7, "Reporting Forms." Capital expenditures do not include plant and equipment furnished to the manufacturer without charge by governmental or private organizations. The value of rented facilities is also excluded.

New Structures and Additions to Plant.—This category includes all construction and other land improvements, whether built on contract or by the manufacturer's own labor force. Included are major alterations; capitalized repairs; new elevators, cranes, heating and air-conditioning equipment essentially a part of buildings; fixed structures such as blast furnaces, brick kilns, fractionating towers, and shipways; and land improvements such as roads, fences, parking lots, and railroad spurs.

New Machinery and New Equipment.—This category includes production and all other machinery and equipment. Included are motors, lathes, presses, looms, and other production machinery; office machines and fixtures; furniture; automobiles, trucks, and handling equipment. Major repairs or improvement to existing equipment are included if the cost is capitalized, as well as equipment manufactured by the plant for use in its own production.

Used Plant and Equipment.—This category represents expenditures for old or existing plants and for secondhand equipment acquired from others. Transfers of used equipment between plants of multiunit companies are included. The companies were instructed to report such transfers at their current value rather than original cost. The Census Bureau estimates of capital expenditures as compared to those published in the joint Office of Business Economics-Securities and Exchange Commission survey are discussed in the Introduction.

Fuels and Electric Energy.—Separate data were collected in the census for coal, coke, fuel oil, gas, and other fuels used for heat and power; purchased electric energy, electric energy generated by manufacturing establishments; and energy generated less the amount sold. Fuels used as a raw material (as coal in the production of coke) are included in the cost of materials rather than in the fuel category.

Assets and Rents.—Data on the gross value of fixed assets owned and rental payments for leased fixed assets were collected in the ASM. These figures are scheduled for publication in the ASM series, but are not included in the census volumes.[3]

[3]Earlier reports on these topics include chapter 9 of Volume I, Summary Statistics, in the 1958 census, and chapter 7 of the ASM Volume for 1964-65.

Appendix B

INDUSTRY DESCRIPTIONS

This appendix is included in Volume I, Summary and Subject Statistics, and in Volume III, Area Statistics, but has been omitted from this volume. The appendix shows the industry descriptions for each industry. In this volume, these descriptions are shown in the text preceding the tables in each industry chapter.

Appendix C

COMPOSITION OF INDUSTRIES IN THE 1967 STANDARD INDUSTRIAL CLASSIFICATION

The censuses of manufactures for 1967 and 1963 covered all establishments engaged in manufacture as defined, respectively, in the **Standard Industrial Classification Manual (SIC)**, 1967 edition, and 1957 edition, as amended, issued by the Bureau of the Budget. The 1967 edition contained minor revisions in the SIC Manual for the manufacturing industries additional to those issued between 1957 and 1963.

Most of the manufacturing industries as defined in 1963 remained, without change, for 1967. In view of the minor nature of the revision, this appendix cites only those industries affected by a revision between 1963 and 1967. Presented in two parts, this appendix lists, in part 1, the industries as defined for 1967 in terms of their 1963 equivalents and, in part 2, the industries of 1963 in terms of their 1967 equivalents. No data for either year are presented. Comparability between the two census years is such that data from one year may be readily compared to data in the other year by making the industry combinations shown below. Titles of industries for either year are as published in the respective Census volumes for 1967 and 1963.

Part 1. Comparability of 1967 SIC Industries to 1963 SIC Industries, Where Revisions Occurred to 1963 Industries

Industry code	1967 title	Industry code	1963 title
2815	Cyclic intermediates and crudes	2814 2815	Cyclic (coal tar) crudes Intermediate coal tar products
3573 3574	Electronic computing equipment Calculating and accounting machines	3571	Computing and related machines
3711[1] 3714	Motor vehicles Motor vehicle parts and accessories	3717[2]	Motor vehicles and parts
3729[3]	Aircraft equipment, n.e.c.	3723 3729	Aircraft propellers and parts Aircraft equipment, n.e.c.
3991	Brooms and brushes	3981	Brooms and brushes
3994	Morticians' goods	3988	Morticians' goods
3996	Hard surface floor coverings	3982	Hard surface floor coverings
3999	Manufactures, n.e.c.	3983 3984 3987 3992 3995 3999	Matches Candles Lampshades Furs, dressed and dyed Umbrellas, parasols, and canes Miscellaneous products, n.e.c.

[1]Bureau of the Census combination of SIC industries 3711, Motor Vehicles, and 3712, Passenger Car Bodies.

[2]Bureau of the Census combination of SIC industries 3711, Motor Vehicles; 3712, Passenger Car Bodies; and 3714, Motor Vehicle Parts and Accessories.

[3]Bureau of the Census combination of SIC industries 3723, Aircraft Propellers and Parts, and 3729, Aircraft Equipment, N.E.C.

Part 2. Comparability of 1963 SIC Industries to 1967 SIC Industries, Where Revisions Occurred to 1963 Industries

Industry code	1963 title	Industry code	1967 title
2814 2815	Cyclic (coal tar) crudes Intermediate coal tar products	2815	Cyclic intermediates and crudes
3571	Computing and related machines	3573 3574	Electronic computing equipment Calculating and accounting machines
3717[2]	Motor vehicles and parts	3711[1] 3714	Motor vehicles Motor vehicle parts and accessories
3723 3729	Aircraft propellers and parts Aircraft equipment, n.e.c.	3729[3]	Aircraft equipment, n.e.c.
3981	Brooms and brushes	3991	Brooms and brushes
3982	Hard surface floor coverings	3996	Hard surface floor coverings
3988	Morticians' goods	3994	Morticians' goods
3983 3984 3987 3992 3995 3999	Matches Candles Lampshades Furs, dressed and dyed Umbrellas, parasols, and canes Miscellaneous products, n.e.c.	3999	Manufactures, n.e.c.

[1]Bureau of the Census combination of SIC industries 3711, Motor Vehicles, and 3712, Passenger Car Bodies,

[2]Bureau of the Census combination of SIC industries 3711, Motor Vehicles; 3712, Passenger Car Bodies; and 3714, Motor Vehicle Parts and Accessories.

[3]Bureau of the Census combination of SIC industries 3723, Aircraft Propellers and Parts, and 3729, Aircraft Equipment, N.E.C.

Appendix D

REPORTING FORMS

This appendix contains reproductions of a representative selection of the reporting forms used in the 1967 economic censuses, with emphasis on the Census of Manufactures. The uses of each of them is described in the Introduction, Section 7.

DUE DATE: WITHIN 20 DAYS AFTER RECEIPT

Budget Bureau No. 41-66141; Approval Expires December 31, 1967

FORM NC-X1A (6-2-66)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 REPORT OF COMPANY ORGANIZATION

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report please refer to → CENSUS FILE NO.

Complete this report within 20 days of receipt

and RETURN TO → **Bureau of the Census**
Jeffersonville, Indiana 47130

Please Read Instructions Before Completing Report

Item 1 – Name and address *(Please correct any errors)*

Item 2A – COMPANY OWNERSHIP AND CONTROL

Is the firm named in Item 1 owned or controlled by another domestic company?

☐ YES ☐ NO

If "YES," give name and address of owning or controlling company:

Item 2B – Does the firm named in Item 1 own or control any subsidiaries?

☐ YES – If "YES," be sure to include the required information in this report for ALL subsidiaries.

☐ NO – If "NO," report only for firm named in Item 1.

Item 3A – COMPANY ORGANIZATION – Listed in column (a) are the Employer Identification Numbers assigned to the firm named in Item 1 and to the subsidiaries it owns or controls, based on our records. Please BRING THIS LIST UP TO DATE by additions, corrections, and deletions. In column (b), enter name and address of main office or principal place of business for each Employer Identification Number. Be sure to include ALL E.I. numbers assigned, both active and inactive. IF MORE SPACE IS NEEDED FOR ADDITIONAL E.I. NUMBERS, USE ITEM 3B ON REVERSE SIDE.

Employer Identification Number (a)	Name and address of main office or principal place of business *(For E.I. numbers you DELETE, please explain)* (b)

Item 4A – LISTING OF YOUR DOMESTIC ESTABLISHMENTS (based on our records) – Please bring this list up to date by **deleting** establishments not operated by this firm or its subsidiaries in 1967; **correcting** establishment names, addresses (should be PHYSICAL LOCATIONS), and E.I. numbers, as necessary; and **listing** in Item 4B on the REVERSE SIDE all **additional** establishments now in operation or expected to be in operation at any time during 1967.

Line No.	Establishment NAME, ADDRESS of **physical** location, and Employer Identification Number (E.I.) (a)	CORRECTIONS AND REMARKS *(Enter ZIP code of physical location, if known)* (b)	Census establishment file number and codes (c)
	Employer Identification No. →		
	Employer Identification No. →		
	Employer Identification No. →		
	Employer Identification No. →		
	Employer Identification No. →		
	Employer Identification No. →		
	Employer Identification No. →		

PLEASE COMPLETE REVERSE SIDE OF THIS REPORT, INCLUDING "CERTIFICATION"

Item 3B – COMPANY ORGANIZATION – Your listing of ALL additional Employer Identification Numbers **not** listed in Item 3A and currently assigned to your firm and its subsidiaries (both active and inactive). *If additional spaces are needed, please use a sheet of paper labeled "Item 3, Continuation Sheet," identify with your name, address, and Census File Number, and attach to this report.*

Employer Identification Number (a)	Name and address of main office or principal place of business (b)

ITEM 4B – YOUR LISTING OF ADDITIONAL DOMESTIC ESTABLISHMENTS – List below ALL domestic establishments of your firm and its subsidiaries **not** listed in Item 4A. Include those acquired by you through purchase, lease, construction, or other methods of acquisition; include those now in operation or expected to be in operation at any time during 1967. (For manufacturing and minerals additions, report former owner or operator, if any.) Each additional establishment should be listed on a SEPARATE LINE. *(For exceptions, PLEASE READ INSTRUCTIONS.)*

Establishment NAME, (your store or plant number, if any) ADDRESS of physical location, and Employer Identification Number (E.I.) *(Enter ZIP code of physical location, if known)* (a)	Kind of business activity: Major activity of establishment *Mark (X) one* (b)	Kind of business activity: List in order of importance the principal products made, lines of merchandise sold, types of services rendered, or construction activity performed. (c)	Approximate number of employees *Mark (X) one* (d)	FOR CENSUS USE (e)
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ __ – __ __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	

Item 5 – CERTIFICATION	Name of person to contact regarding this report	Address *(Number, street, city, State, ZIP code)*	Telephone: Area code	Number	Ext.	Number of continuation sheets returned with this report: Item 3	Item 4
Please COMPLETE form before signing.	This report *(including attached continuation pages)* is substantially accurate and has been prepared in accordance with instructions.						
	Signature of authorized person	Title	Date				

DUE DATE: 20 DAYS AFTER RECEIPT

Budget Bureau No. 41-66141; Approval Expires December 31, 1967

FORM **NC-X1B**
(7-13-66)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 REPORT OF COMPANY ORGANIZATION

Complete this report within 20 days of receipt and return to:

Bureau of the Census
Jeffersonville, Indiana 47130

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

EMPLOYER IDENTIFICATION NUMBER ——→

Item 1 – Is this name and address of your firm CORRECT? ——→

☐ Yes ☐ No

If "No," please correct any errors.

PLEASE RETURN THIS COPY

Item 2 – Is the Employer Identification Number printed above the SAME as that appearing on your latest Quarterly Federal Tax Return, Form 941?

☐ Yes ☐ No – If "No," please enter the currently assigned Employer Identification Number here. ——→

E. I. Number

Item 3 – Does this firm (designated by the currently assigned E.I. Number shown above) operate at MORE THAN ONE business location?

☐ Yes – If "Yes," **complete** Items 4A and 4B

☐ No – If "No," **skip** to Item 5

Item 4A – How many establishments are operated by this firm? . . . . .

Number

Item 4B – **Please LIST each of these establishments on the REVERSE SIDE of this report in Item 4B.**

Item 5 – Does this firm own or control any companies using any OTHER Employer Identification Numbers?

☐ Yes – If "Yes," please list below ☐ No

Employer Identification Number	Name and address of main office or principal place of business

Item 6 – Is this firm owned or controlled by ANOTHER company?

☐ Yes – If "Yes," please identify below ☐ No

Employer Identification No. (if known)	Name and address of controlling company

Item 7 – **CERTIFICATION** – Please COMPLETE the report, including REVERSE SIDE (if applicable), before signing.

Name of person to contact regarding this report	Address *(Number, street, city, State, ZIP code)*	Telephone		
		Area code	Number	Ext.

This report is substantially accurate and has been prepared in accordance with instructions.

Signature of authorized person	Title	Date

If Item 3 is "Yes," be sure to complete REVERSE SIDE of this report ——→

Item 4B – Please list below ALL domestic establishments operated under your firm's currently assigned Employer Identification Number. Include each establishment now in operation or expected to be in operation at any time during 1967. *(If additional space is needed to list all your establishments, please use blank continuation sheets and follow the format on this page. Be sure to enter the Employer Identification Number in the upper right-hand corner of each additional sheet.)*

Establishment NAME, ADDRESS of **physical** location, and Employer Identification Number (E.I.) *(Enter ZIP code of physical location, if known)* (a)	Kind of business activity: Major activity of establishment *Mark (X) one* (b)	Kind of business activity: **List** in order of importance the principal products made, lines of merchandise sold, types of services rendered, or construction activity performed (c)	Approximate number of employees *Mark (X) one* (d)	FOR CENSUS USE
Enter Employer Identification Number *(9 digits)* → __ – __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ – __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ – __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	
Enter Employer Identification Number *(9 digits)* → __ – __ __ __ __ __ __	☐ Manufacturing ☐ Construction ☐ Minerals extraction ☐ Retail trade ☐ Wholesale trade ☐ Manufacturers sales branch or office ☐ Administrative office ☐ Other – *Specify* →		2 ☐ Under 10 3 ☐ 10–19 4 ☐ 20–49 5 ☐ 50–99 6 ☐ 100 or more	

Item 4C – Do the establishments listed above (and on continuation sheets, if any) EQUAL the number of establishments indicated in Item 4A?
☐ YES ☐ NO – If "NO," please explain →

BE SURE TO COMPLETE REVERSE SIDE AND SIGN CERTIFICATION

GPO 914-669 USCOMM-DC

PENALTY FOR FAILURE TO REPORT — DATE DUE: APRIL 30, 1968 — Form Approved: Budget Bureau No. 41-S67110

FORM NC-X3 (0300) — U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS

1967 CENSUSES OF BUSINESS, MANUFACTURES, AND MINERAL INDUSTRIES

GENERAL SCHEDULE

NOTICE – Response to this inquiry is required by law (Title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to this Census File Number ↓ — **Employer Identification No.** ↓

NC-X3 (0300)

Return to: Jeffersonville Census Operations Office, Jeffersonville, Indiana 47130

(Please correct if name or address has changed)

INTRODUCTORY NOTE

The Bureau of the Census is now conducting a census of establishments primarily engaged in the types of activities described in item 9 (on the reverse side). However, our records do not contain sufficient information on the kind of business or activity carried on at your establishment. Please complete item 1, Parts A and B below, to provide this information. Then proceed according to the instructions given in Part C (i.e., if you are primarily engaged in one of the business activities described in Part B, boxes 1–29, you are required to complete only item 1, sign the certification in item 12, and return the form in the envelope provided; otherwise, you are required to complete the entire form).

GENERAL INSTRUCTIONS

If you operated more than one establishment (or location) under the same Employer Identification Number shown in the address box, this report should include consolidated figures for all locations; in item 11, however, please provide information separately for each location. If your Employer Identification Number was changed from that appearing in the address label, enter the currently assigned Employer Identification Number for this establishment in item 3.

Information provided by you on this report should account for your business activities for the entire year 1967. If book figures are not available, enter your best estimates.

1. KIND OF BUSINESS

Part A – Describe your kind of business or activity during 1967.

_____

Part B – Mark the box or boxes which best describe the kind of business or activity in which you were **primarily engaged** during 1967.

Agriculture, forestry, fishery

1 ☐ Farm or ranch
2 ☐ Agricultural, horticultural services (e.g., cotton ginning; corn shelling; contract grading fruits, vegetables)
3 ☐ Poultry hatchery
4 ☐ Veterinarian; animal hospital
5 ☐ Forestry (e.g., timber tracts, forest nursery)
6 ☐ Fishery

2. NAME AND PHYSICAL LOCATION

a. Is the name shown in the label the name by which this establishment is known to the public?

☐ Yes ☐ No (If "No," enter trade name above the label.)

b. Is the address in the label –

(1) ☐ The mail address of your establishment but **not** the actual physical location.

(2) ☐ The mail address of your establishment (including number and street) which also is its actual physical location.

(3) ☐ Neither of the above (e.g., accountant's office).

(NOTE: If you marked box 1 or 3, or number and street are not shown in the label, complete c, d, and e below. If you marked box 2, complete d and e below.)

c. Enter following physical location information

Number and street	City, village, or other place
State	ZIP code

(NOTE: If location cannot be described by number and street, give name or number of highway and approximate distance from nearest town.)

d. Enter name of county in which your establishment is located

e. Is your establishment physically located within the boundaries of the city, village, or other place specified in the label or in "c"?

1 ☐ Yes ☐ No

Transportation (Do not mark box if business is a travel agency, bus line, public warehouse, or trucking firm.)

- 7 ☐ Railroad
- 8 ☐ Taxicab
- 9 ☐ Water transportation
- 10 ☐ Air transportation
- 11 ☐ Pipeline

Communication

- 12 ☐ Telephone or telegraph service
- 13 ☐ Radio or television broadcasting

- 14 ☐ **Electric, gas, sanitary services**

Finance, insurance, real estate

- 15 ☐ Finance (bank; credit agency; security dealer, exchange)
- 16 ☐ Insurance
- 17 ☐ Real estate (except hotel operation, land subdividers and developers, and operative builders)

- 18 ☐ **Medical and other health service** – doctor, dentist hospital, etc. (**except** dental laboratory)

- 19 ☐ **Educational service (except** barber, beauty, dancing school)

Nonprofit membership organization

- 20 ☐ Trade association, board of trade, chamber of commerce
- 21 ☐ Professional membership organization
- 22 ☐ Labor union
- 23 ☐ Civic, social, fraternal association
- 24 ☐ Political organization
- 25 ☐ Religious organization
- 26 ☐ Charitable organization

Miscellaneous services

- 27 ☐ Accounting, auditing, bookkeeping
- 28 ☐ Artist, writer, lecturer
- 29 ☐ Government organization

- 30 ☐ **Other kind of business or activity**

Part C – Is the kind of business or activity in which this establishment was PRIMARILY ENGAGED in 1967 described in boxes 1–29 above?

(1) ☐ Yes (2) ☐ No

If "No," answer all remaining questions on this form. If "Yes," you need not answer the remaining questions, but complete the certification (item 12 on reverse side) and return this form in the envelope provided.

3. EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification (EI) Number printed in the address label the SAME as that used for this establishment on your latest 1967 Employer's Quarterly Tax Return, Treasury Form 941?

1 ☐ Yes 2 ☐ No (If "No," enter the currently assigned EI number here (9 digits).) ___–_____

4. LEGAL FORM OF ORGANIZATION OF COMPANY OPERATING THIS ESTABLISHMENT (Mark ONE box only) X-1

- 1 ☐ Individual proprietor
- 2 ☐ Partnership
- 0 ☐ Corporation (Do NOT mark if any form of cooperative association)
- 8 ☐ Co-op (cooperative association), corporate or noncorporate
- 9 ☐ Other – Specify _____

5. PERIOD OPERATED IN 1967 X-2

a. Was this establishment in business at the end of 1967?

1 ☐ Yes 2 ☐ No

(NOTE: For establishments which were inactive during December 1967 due to seasonal or part-time operations answer "Yes," unless the establishment was not owned by you at the end of the year.)

b. How many months during 1967 did you own this establishment? Months X-3

6. CLASS OF CUSTOMER X-4

Mark the box which indicates the class of customer accounting for more than half of your entry in item 8a. If **no one** class accounts for more than half, indicate the approximate percentage next to each box.

- 1 ☐ ____ % General public (household consumers, farmers, individuals)
- 2 ☐ ____ % Construction and building trade contractors
- 3 ☐ ____ % Other business firms, government, institutions
- 4 ☐ ____ % Other – Specify _____

7. METHOD OF SELLING X-5

Mark only the ONE box which describes your **principal** method of selling

- 1 ☐ Selling at this establishment
- 2 ☐ Mail order (catalog selling)
- 3 ☐ House-to-house (direct selling)
- 4 ☐ Operating merchandise vending machines

8. DOLLAR VOLUME OF BUSINESS AND ANNUAL PAYROLL DURING 1967

Line a – Sales of merchandise and other receipts from customers after deducting returns, allowances, and discounts.

Include all sales of merchandise (whether or not payment was received in 1967); all other receipts from customers for services, including repair, maintenance, delivery, and installation charges; all receipts from carrying charges or other charges for credit.

Do not include income from investments; commissions from vending machine operators; receipts from sale or rental of real estate, unless you are an operative or merchant builder (item 9, box 4 below).

Do not deduct trade-in allowances from sales.

Line e – PAYROLL – Include all salaries, wages, commissions, bonuses, vacation allowances, and the value of payments in kind such as goods, lodging, food, and clothing. Include tips, gratuities, etc., received by your employees from others. Do not include payments to (or withdrawals by) owners or partners of unincorporated businesses.

	Dollars	Cents	Key
a. Sales of merchandise and other receipts from customers	$	XX	X-6
b. Does the entry in "a" include sales and excise taxes collected from customers? .	1 ☐ Yes 2 ☐ No		X-7
c. If "No," how much did you forward to Federal, State, and local taxing agencies for such taxes?	$	XX	X-8
d. Of the amount in line "a," what percent was for products **manufactured** by you at this location?	Percent		
e. Total annual payroll in 1967 before deductions	$	XX	X-9*

9. KIND OF BUSINESS GROUP

1-XXXX 1-5*

Part A – Mark only the ONE box for the group in which your kind of business fits best.

1 ☐ **Mining** – Extracting or quarrying minerals (metallic and nonmetallic ores; stone, sand, gravel; oil and gas; coal; etc.) minerals exploration and development; contract mineral services

Construction

2 ☐ General contractor (buildings, roads, etc.)

3 ☐ Special trade contractor (painting, carpentry, plumbing, etc.)

4 ☐ Operative or merchant builder; land subdivider and developer

5 ☐ **Manufacturing** – Fabricating, assembling, or processing materials into new products. Also includes such activities as: apparel jobbing, machine shop repair, and miscellaneous services "for the manufacturing trade"

6 ☐ **Public warehousing and storage**

Wholesale trade – Selling merchandise to retailers; to industrial, commercial, professional, institutional users; and to government

7 ☐ Merchant wholesaler

8 ☐ Merchandise agent or broker

9 ☐ Other type of wholesaler – Specify _____

10 ☐ **Retail trade** – Selling merchandise to the general public; also, eating and drinking places, gasoline service stations

Selected services

11 ☐ Hotel, motel, tourist court, recreation camp

12 ☐ Laundry, barber shop, or other services to individuals

13 ☐ Advertising or other services to businesses

14 ☐ Repair service (autos, equipment, etc.)

15 ☐ Amusement, recreation place

16 ☐ Law firm

17 ☐ Engineering and architectural firm

18 ☐ Travel agency

19 ☐ Dental laboratory

20 ☐ Trucking firm

21 ☐ Bus line (including charter)

22 ☐ **Other kind of business** – Specify

_____

_____

Part B – Source of Receipts

List below the principal lines of merchandise sold, types of construction activity, products manufactured or mined, or services performed and indicate the approximate percentage each was of your total receipts (item 8a) in 1967.

Lines of merchandise sold, types of construction activity, types of services, and products manufactured or mined	Percentage of total receipts shown in item 8a
1.	
2.	
3.	
4.	

10. COMPANY AFFILIATION

a. ☐ **Mark this box** if this business is owned or controlled by another company and enter the name, mailing address, and Employer Identification Number of owning or controlling company, if known.

b. ☐ **Mark this box** if this business owns or controls any other company or companies and enter the name, mailing address, and Employer Identification Number of owned or controlled companies, if known.

Name of company / Mailing address – Number, street, city, State, ZIP code	E.I. Number
	–
Name of company / Mailing address – Number, street, city, State, ZIP code	E.I. Number
	–
Name of company / Mailing address – Number, street, city, State, ZIP code	E.I. Number
	–

11. YOUR BUSINESS LOCATIONS

a. In 1967 did you operate more than one establishment under the Employer Identification Number shown in the address label or in item 3? . . . . . 1 ☐ Yes 2 ☐ No

b. If "Yes," list separately below each establishment, including your main establishment and auxiliary facilities (such as warehouses, central administrative offices, buying offices, etc.).

Address of business (Number, street, city, State, ZIP code)	Description of business	Census use only	Business receipts during 1967 Dollars	Business receipts during 1967 Cents	Number of paid employees (Pay period including March 12, 1967)
1.			$	XX	
2.				XX	
3.				XX	
TOTAL FOR THIS EMPLOYER IDENTIFICATION NUMBER (Sum of lines 1–3 should be same as item 8a.) →			$	XX	

12 CERTIFICATION

Name of person to contact regarding this report	Address (Number, street, city, State, ZIP code)	Telephone: Area code	Telephone: Number	Telephone: Extension

This report is substantially accurate and covers the period from _____ to _____

Signature of authorized person	Title	Date

Use additional sheets of paper, if necessary, to complete any item or to submit any explanation. Identify each sheet with the Census File Number appearing in the address box.

PENALTY FOR FAILURE TO REPORT — DUE DATE – APRIL 30, 1968 — Form Approved: Budget Bureau No. 41-S67110

FORM NC-X6 (0600)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 CENSUSES OF BUSINESS, MANUFACTURES, AND MINERAL INDUSTRIES

CENTRAL ADMINISTRATIVE OFFICE OR AUXILIARY ESTABLISHMENT

RETURN TO: JEFFERSONVILLE CENSUS OPERATIONS OFFICE
Jeffersonville, Indiana 47130

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report please refer to this Census File Number [redacted]

Employer Identification Number [redacted]

NC-X6 (0600)

PLEASE READ INSTRUCTIONS BEFORE COMPLETING REPORT

If calander year records are not available, fiscal year reports for the periods ending between October 31, 1967 and February 29, 1968 are acceptable. If book records are not available, enter your best estimate.

This report should cover ONLY the establishment identified in the address label.

YOUR FILE COPY

ITEM 1. NAME AND PHYSICAL LOCATION

a. Name of this establishment, **if different** from that appearing in the address box

b. Is the address originally printed in the address box the ACTUAL PHYSICAL LOCATION OF THIS ESTABLISHMENT?

☐ Yes – *Complete lines (3) and (4)* ☐ No – *Complete lines (1) through (4)*

(1) Number and street	City, village, or other place
(2) State	ZIP code

NOTE – If location cannot be described by number and street, give name or number of highway and approximate distance from nearest town.

(3) County in which your establishment is physically located? . . . . . .

(4) Is the establishment physically located within the boundaries of the city or village? 1 ☐ Yes 2 ☐ No

ITEM 2. EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification (EI) Number printed in the address label the SAME as that used for this establishment on your latest 1967 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ Yes ☐ No – (If "No," please enter the currently assigned EI Number here (9 digits) ⟶ _ _ – _ _ _ _ _ _ _

ITEM 3. LEGAL FORM OF OWNERSHIP OF COMPANY OPERATING THIS ESTABLISHMENT — X-1

1 ☐ Individual proprietor
2 ☐ Partnership
0 ☐ Corporation (Do **not** mark if any form of cooperative association)
8 ☐ Co-op (cooperative association), corporate or noncorporate
9 ☐ Other *(Specify)* _____

ITEM 4. PRINCIPAL ACTIVITY OF THIS ESTABLISHMENT IN 1967 — X-2

Mark the ONE item that **best** describes the **principal** activity of this establishment. If none applies, mark item (i) and enter a description of your principal activity. **Mark one item only.**

a. ☐ 1 Centralized administration (i.e., supervisory functions of a central, home, general, branch, divisional or district office)

b. ☐ 1 Management and other supporting services (e.g., purchasing or buying office, accounting office, legal office, public relations office, etc.)

c. ☐ 3 Warehousing

d. ☐ 7 Chainstore warehousing (i.e., a combination of administrative and warehousing activities described in a, b, and c)

e. ☐ 2 Research, development, and testing

f. ☐ 4 Trading stamp redemption

g. ☐ 8 Selling

h. ☐ 9 Repair service

i. ☐ 9 Other *(Describe)* _____

ITEM 5. PRINCIPAL ACTIVITIES OF YOUR COMPANY SERVICED BY THIS ESTABLISHMENT IN 1967

a. Does this establishment perform the above described management, general administrative functions, or other supporting services **primarily** for establishments of **your** company (rather than for other business firms or for the general public)? — X-3

1 ☐ Yes – *Complete items 5b, c, and d* 2 ☐ No – *Skip to item 6*

b. Does this establishment perform these management and administrative functions or services for **ALL** establishments of your company? ("Your company" refers to the parent firm and all its subsidiaries under common ownership or control.) — X-4

1 ☐ Yes 2 ☐ No

c. Mark the **principal** kind of business or industrial activity of the establishments of your company that are managed or serviced by this central office or auxiliary. — X-5

1 ☐ Minerals extraction, quarrying, production, or exploration
2 ☐ Manufacturing (fabricating, assembling, or processing materials into new products; also includes publishing and printing)
3 ☐ Construction (including general contracting, subcontracting, home building, and land subdividing and developing)
4 ☐ Manufacturer sales branches or other wholesale operations
5 ☐ Retail stores
6 ☐ Other *(Describe)* _____

d. List in order of importance, the **principal** products made, lines of merchandise sold, types of services rendered, or construction activities performed by the establishments that are managed or serviced by this central office or auxiliary.

(1) _____ (3) _____

(2) _____ (4) _____

ITEM 6. PAYROLL AND EMPLOYMENT AT THIS ESTABLISHMENT DURING 1967

Report the payroll and number of persons employed at this establishment, including its traveling personnel. Do **not** include employees working in or from other establishments of your company, however, even though paid from this location. (The number and payroll of such employees should be included in the 1967 Census reports for the establishments at which they were actually employed.)

	THOUSANDS of dollars ($000)	Key
a. **Payroll** during 1967. (Enter the total wages, salaries, bonuses, commissions, and other remuneration paid to employees of this establishment during 1967, **before** payroll deductions)	$	X-6
	Number	
b. **Number of employees** at this establishment during the pay period including March 12, 1967		X-7

c. Were the employees and payroll reported in items 6a and 6b above also reported in any other 1967 Census **establishment** report form of your company (i.e., in the Census Forms MA-, MC-, CB-, or CC- series)? — X-8*

1 ☐ Yes – If "Yes," please give the 11-digit CENSUS FILE NUMBER of that report _____ 2 ☐ No

ITEM 7. EMPLOYMENT BY FUNCTION DURING THE PAY PERIOD INCLUDING MARCH 12, 1967

Distribute the number of employees reported in item 6b according to their **principal functions** at this establishment during the pay period including March 12, 1967.

Where establishment records do not provide actual employee counts in terms of the functions listed, estimates of the approximate number in each are acceptable. Those persons performing a variety of functions should be reported in their **primary** activity during that pay period, or allocated on some other reasonable and consistent basis (e.g., by converting the total number of man-hours or man-days expended during the pay period into the average number of employees in each activity).

Type of function performed	Approximate number of employees	Key
a. Centralized administration (e.g., various management functions of a general, home, or district office)		1-1
b. Research, development, and testing		1-2
c. Warehousing		1-3
d. Sales to customers directly from this location		1-4
e. Trading stamp redemption		1-5
f. Other *(Describe)*		1-6
g. TOTAL NUMBER OF EMPLOYEES (Sum of lines a through f; should equal item 6b) ⟶		1-7*

Please continue on page 2

Report **all** figures in **THOUSANDS OF DOLLARS** ($000), except Item 15. If none applies, enter "0" or "NONE."

ITEM 8. SALES MADE BY THIS ESTABLISHMENT DURING 1967 TO CUSTOMERS OUTSIDE YOUR COMPANY

a. Report **all** sales made by this establishment during 1967 (merchandise sales, receipts for services, and other business receipts) **to customers outside your company.**

Include excise taxes and sales taxes paid directly to taxing agencies.

Exclude intracompany transfers to other domestic establishments of your company; however, **include** export transfers to your foreign subsidiaries. **Exclude** sales to outside customers made by OTHER establishments of your company, even though billed centrally by this establishment. (Report such sales on the 1967 Census forms of these other establishments.)

	THOUSANDS of dollars ($000)	Key
a. Sales **made** by this establishment during 1967 to customers **outside** your company	$	2-1

b. List principal products sold or services rendered by this establishment to customers outside your company, in order of importance of sales and receipts in 1967:

(1) _____ (3) _____

(2) _____ (4) _____

ITEM 9. BILLINGS BY THIS ESTABLISHMENT IN 1967 TO RETAIL STORES OF YOUR COMPANY

Report at cost value all merchandise billed by this establishment in 1967 to retail stores of your company. **Include** all billings, whether or not the merchandise was shipped directly by the supplier to your retail stores or shipped from this establishment.

Exclude purchases made directly by your individual stores. **Exclude** billings to establishments other than your retail stores. **Exclude** sales to retail stores of other companies, and franchise sales (which should be reported in item 8a above).

	THOUSANDS of dollars ($000)	Key
Total billings by this establishment in 1967 to retail stores of **your** company	$	2-2

ITEM 10. INVENTORIES AT BEGINNING AND END OF 1967

Report all inventories **of this establishment** at current cost (if feasible), rather than sales price. **Exclude** inventories reported by **other** establishments of your company on their 1967 Census establishment forms.

Value of inventories of this establishment:		
a. BEGINNING of 1967	$	2-3
b. END of 1967	$	2-4

ITEM 11. CAPITAL EXPENDITURES FOR THIS ESTABLISHMENT DURING 1967 (EXCLUDE LAND AND MINERAL RIGHTS)

Report all capital expenditures actually made during 1967 for this establishment, including major alterations, capitalized repairs and improvements. "Capital expenditures" refer to **all** costs that are chargeable to fixed assets accounts for which depreciation or amortization accounts are ordinarily maintained.

Include the cost of all improvements and new construction at this establishment which were in progress but had not been completed at the end of 1967.

Include expenditures made by your company (or any of its subsidiaries) for structures which, upon completion, were or are to be sold and leased back to this establishment.

Exclude the cost of land and mineral rights.

Exclude the cost of maintenance and repairs charged as current operating expense.

Exclude capital expenditures made by outside owners of property rented or leased to this establishment. **Exclude** capital expenditures made by this establishment for other locations of your company.

Type of capital expenditures:		
a. New structures and additions to plant	$	2-5
b. New machinery and new equipment	$	2-6
c. Used plant and used equipment acquired from others	$	2-7
d. **TOTAL CAPITAL EXPENDITURES DURING 1967** (Sum of lines a, b, and c) →	$	2-8*

ITEM 12. CHANGES IN GROSS (BOOK) VALUE OF FIXED ASSETS OF THIS ESTABLISHMENT DURING 1967

Report the changes in gross (book) value of fixed assets **of this establishment** for which depreciation and amortization accounts are ordinarily maintained. "Gross (book) value" represents the acquisition cost (original cost or other basis) to your company of such fixed assets.

Include all depreciable fixed assets (buildings, structures, machinery, equipment, etc.), and all amortizable fixed assets.

Include all improvements and new construction "in progress" during 1967 but not yet completed at the end of 1967. Also **include** the value of fixed assets owned by this establishment but leased or rented to other companies.

Include the value of fixed assets owned by your company or any of its subsidiaries but "leased" to this establishment.

Exclude the value or fixed assets of other locations of your company (or any of its subsidiaries) for which this establishment maintains records.

a. Gross (book) value of fixed assets at BEGINNING of 1967	$	3-1
b. Total capital expenditures during 1967 (Copy figure from item 11d)	$	3-2
c. Gross (book) value of fixed assets sold, retired, scrapped, or destroyed during 1967	$	3-3
d. Gross (book) value of fixed assets, at END of 1967. (**Should equal** lines a + b − c. If not, please comment in "Remarks.") →	$	3-4

ITEM 13. RENTAL PAYMENTS MADE FOR THIS ESTABLISHMENT DURING 1967 (EXCLUDE LAND)

Report all rental payments made or accrued during 1967 to OUTSIDE firms which own the plant and equipment rented or leased by **this** establishment. **Exclude** rental payments made by this establishment to your parent company or any of its subsidiaries. (The value of such company-owned assets should be reported in item 12, however, as if actually owned by this establishment.) **Exclude** rental payments made by this establishment for plant and equipment located at other establishments of your company.

In reporting rents paid (or equivalent charges) for use of "Buildings and structures," **exclude** separately identified fees for leasing of land (such as ground rents).

Under "Machinery and equipment," be sure to **include** rental payments, (or equivalent charges), for use of transportation equipment, office equipment, computer systems, passenger cars, and all other types of machinery or equipment.

Rental payments made for this establishment:		
a. For use of BUILDINGS AND STRUCTURES (excluding land)	$	3-5
b. For use of MACHINERY AND EQUIPMENT	$	3-6
c. **TOTAL RENTAL PAYMENTS** (Sum of lines a and b) →	$	3-7

ITEM 14. COST OF RESEARCH AND DEVELOPMENT PERFORMED AT THIS ESTABLISHMENT DURING 1967

"Cost" should **include** all costs incurred at this establishment during 1967 to support research and development activities (i.e. wages and salaries; direct materials costs; services and supporting costs; and an appropriate share of depreciation and overhead). If this establishment performed research and development for other companies on contract during 1967, **include** the total amount charged for such work performed. (Also, report such receipts in item 8 above.)

Type of research and development performed:		
a. Federal contracts and subcontracts	$	3-8
b. Other research and development initiated with funds of your company or other (non-Federal) sources	$	3-9
c. **TOTAL COST OF RESEARCH AND DEVELOPMENT DURING 1967** (Sum of lines a and b) →	$	3-10*

ITEM 15. WAREHOUSE STORAGE SPACE, AS OF DECEMBER 31, 1967

If you reported any employees in item 7, line c, "Warehousing," complete this item.

Line a. Exclude floor space occupied by interior walls, permanent aisles, elevator shafts, stairways, offices, receiving and shipping platforms, etc.

Line b. Net piling space is space for storing commodities – inside space measured from wall to wall and from floor to ceiling, less space for ventilation (outside of the pilings), coils, aisles, posts, sprinklers, etc.

a. Occupiable floor space (under roof) – occupied and unoccupied – of this establishment	Square feet	4-1
b. Refrigerated (net piling) space, 50 degrees Fahrenheit or below, in this establishment	Cubic feet	4-2*

REMARKS

ITEM 16. Name of person to contact regarding this report | Address *(Number and street, city, State)* | *ZIP code* | Telephone: Area code | Number | Extension

CERTIFICATION This report is substantially accurate and covers the period from _____ to _____

Signature of authorized person | Title | Date

PENALTY FOR FAILURE TO REPORT — DUE DATE—APRIL 30, 1968 — Form approved; Budget Bureau No. 41-S67100

FORM NC-K1 (9991)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 CENSUSES OF BUSINESS, MANUFACTURES, AND MINERAL INDUSTRIES

COMPANY SUMMARY REPORT

RETURN TO — JEFFERSONVILLE CENSUS OPERATIONS OFFICE
Jeffersonville, Indiana 47130

Please read instructions before completing report

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report please refer to → CENSUS FILE NO.

Name and address *(Please correct any errors)*

INSTRUCTIONS

This form will provide you and the Bureau of the Census with a systematic means for assuring that ALL DOMESTIC ACTIVITIES of your company and its subsidiaries have been accounted for in the 1967 Censuses of Business, Manufactures, and Mineral Industries. For the purposes of this report, "domestic" activities should include all 50 States and the District of Columbia. It should **not** include activities of your firm in foreign countries. (Note – Your Puerto Rico activities, if any, will be covered separately in the 1967 Census of Puerto Rico conducted jointly by the Commonwealth government and the U.S. Bureau of the Census.)

Please complete Form NC-K1, "Company Summary Report," **after** you have prepared all required 1967 Census establishment reports for your company and its subsidiaries, but **before** you return these completed reports to the Bureau of the Census. Preparing this Company Summary Report **prior** to returning the completed establishment reports may help you to discover more readily and to correct promptly any **omission** or **duplication** of reports for those establishments which should be covered in the 1967 Censuses of Business, Manufactures and Mineral Industries. In turn, this will speed up the Census Bureau's processing of your company report forms and will minimize any correspondence regarding coverage.

ITEM 1. GENERAL INFORMATION

A. NAME OF COMPANY

B. COMPANY ORGANIZATION
Is the above-named company owned or controlled by another company? ..... Yes ☐ No ☐
(If "Yes," please give name and address of owning or controlling company.)

C. LEGAL FORM OF OWNERSHIP OF COMPANY – *Mark one* X-1

1 ☐ Individual proprietor
2 ☐ Partnership
0 ☐ Corporation (Do **not** mark if any form of cooperative association.)
8 ☐ Co-op (Cooperative association), corporate or noncorporate
9 ☐ Other *(Specify)*

ITEM 2. EMPLOYMENT SUMMARY OF YOUR COMPANY AND ITS SUBSIDIARIES DURING 1967

– Column (a) lists the Employer Identification (E.I.) Numbers assigned to your company, based on information you reported on the 1967 Census Form NC-X1, "Report of Company Organization." If your company was assigned any other E.I. Numbers during any part of 1967, please add these numbers to the list. Then, complete ALL columns for EACH E.I. Number listed. (USE ITEM 2 Continuation Sheet if necessary.)

***NOTE:** All employment figures (Columns b through f) are for the pay period including MARCH 12, 1967*

Line number	**Employer Identification Numbers** used by your company during 1967 (a) 1-1	**Number of employees** (as of March 12, 1967) reported on Treasury Payroll Tax Forms 941, 943, or CT-1 (b) 1-2	**Employees** in domestic establishments, as REPORTED on your 1967 Censuses of Business, Manufactures, and Mineral Industries forms: **Census Form MA– or MC–Series** *Production workers plus all others* (Manufactures and Mineral Industries) (c)	**Census Form CB– or CC–Series** (Wholesale, Retail, Service, and Construction) (d)	**Census Form NC–X6** (Central adminstrative offices and auxiliaries) (e)	**Employees** in domestic activities NOT REPORTED on your Census forms (f) 1-3	Description of these activities NOT REPORTED on your Census forms (g)	**Total payroll** for the **year 1967** for these activities NOT REPORTED on your Census forms *THOUSANDS of dollars ($000)* (h) 1-4	For Census Use Only Key 1-5*
1								$	001
2								$	002
3								$	003
4								$	004
5								$	005
6								$	006
7								$	007
8								$	008
9	Subtotal from Item 2 Continuation Sheet, if any								
10	**TOTAL, All Employer Identification Numbers** →								

NUMBER OF ITEM 2 CONTINUATION SHEETS ATTACHED TO THIS FORM → No. of sheets

ITEM 3. COVERAGE CHECK OF COMPANY EMPLOYMENT TOTALS

A. Comparison of COMPANY employment with ESTABLISHMENT employment for the pay period including March 12, 1967

Enter employment totals from **Item 2, Line 10:**

	Number of employees reported in Item 2, line 10, above	Key
(1) From Column (c), total		2-1
(2) From Column (d), total		2-2
(3) From Column (e), total		2-3
(4) From Column (f), total		2-4
(5) **Sum** of figures above →		2-5
(6) Sum of company employment reported on Treasury Payroll Tax Forms (From **Column (b) in Line 10**) →		2-6

B. If the two figures in Lines (5) and (6) of Item 3A **differ by more than 5 percent**, please verify the reported figures in Item 2. (For **each** Employer Identification Number, compare the Column (b) figure with the sum of Columns (c), (d), (e), and (f). These totals should ordinarily be equal for each E.I. Number, if all employment has been accounted for.)

If, after such verification, a company-wide difference in excess of 5 percent still exists, please explain:

For Census Use Only	2-7		2-8		2-9*	

Please continue on page 2

ITEMS 4–10. SELECTED COMPANY STATISTICS FOR 1967

Please report the following items on a **consolidated** basis for the DOMESTIC ACTIVITIES of your company and ALL its subsidiaries as defined in Item 2 of this report. Do **not** include foreign activities, if any, (**except** for reporting foreign assets in Item 10). **Consolidate all domestic activities**, whether or not covered in the 1967 Census by individual report forms. If calendar year records are not available, fiscal year reports for the periods ending between October 31, 1967 and February 29, 1968 are acceptable. If book records are not available, enter your best estimates. **Before completing these items, please read the detailed instructions.**

		Thousands of dollars ($000)	Key
ITEM 4. COMPANY PAYROLL DURING 1967 Report total wages, salaries, bonuses, commissions, and other remuneration paid by your company and its subsidiaries at domestic establishments and facilities during 1967, **before** payroll deductions.	Total company payroll during 1967	$	3-1
ITEM 5. COMPANY SALES AND RECEIPTS DURING 1967 Report consolidated net sales and business receipts of your company and its subsidiaries during 1967. **Exclude** domestic intra-company transfers; **exclude** sales BY foreign subsidiaries; **exclude** non-operating income. **Include** sales to customers OUTSIDE your company; **include** excise taxes and sales taxes paid by your company directly to Federal, State, or local taxing agencies; **include** export transfers TO your foreign subsidiaries.	a. Net company sales and business receipts during 1967	$	3-2
	b. Does the entry in 5a above INCLUDE excise and sales taxes paid directly to taxing agencies? . . . . . Yes ☐ 1 No ☐ 2		3-3
	c. If "No," report here the amount of such taxes paid by your company and its subsidiaries during 1967	$	3-4
ITEM 6. CAPITAL EXPENDITURES DURING 1967 (EXCLUDE LAND AND MINERAL RIGHTS) Report all capital expenditures actually made during 1967 by your company and its subsidiaries for all domestic establishments and facilities. "Capital expenditures" refer to all costs that are chargeable to fixed assets accounts of your company for which depreciation or amortization accounts are ordinarily maintained; **include** major alterations, capitalized repairs and improvements; **include** expenditures made in 1967 for establishments under construction but not yet in operation. **Exclude** capital expenditures made by owners of property rented or leased by your firm and its subsidiaries; but **include** expenditures made by your firm and its subsidiaries for structures which, on completion, were or are to be sold and leased back by your firm. **Exclude** cost of land, mineral rights, and cost of maintenance and repair charged as current and operating expenses; **exclude** capital expenditures by subsidiaries in foreign countries.	**Type of capital expenditures:**		
	a. New structure and additions to plant	$	3-5
	b. New machinery and new equipment	$	3-6
	c. Used plant, machinery, and equipment acquired from others	$	3-7
	d. Capitalized development and exploration of mineral properties	$	3-8
	e. **TOTAL CAPITAL EXPENDITURES DURING 1967** (Sum of Lines a, b, c, and d) →	$	3-9*
ITEM 7. CHANGES IN FIXED ASSETS DURING 1967 Report the value of fixed assets of your company and its subsidiaries for which depreciation and amortization accounts are ordinarily maintained. "Gross (book) value" represents the acquisition cost (original cost or other basis) to your company of such fixed assets. "Net value" represents the gross value of such fixed assets, **less** their accumulated depreciation and amortization. **Include** fixed assets for **all** domestic establishments and facilities. **Exclude** fixed assets of your company and its subsidiaries in foreign countries. These assets should be reported in Item 10c below. **Include** all depreciable assets (buildings, structures, equipment, etc.) and amortizable fixed assets. **Exclude** depletable assets (land, timber, and mineral rights) and non-fixed assets (inventories, cash, accounts receivable, etc.). These assets should be reported in Item 10b below. **Include** in the value of assets all improvements and new construction that were "in-progress" but not yet completed at the end of 1967. Also **include** the value of fixed assets (machinery, equipment, buildings, structures, etc.) owned by your company and its subsidiaries but leased or rented to other companies.	a. Gross (book) value of fixed assets owned by your company, as of BEGINNING of 1967	$	4-1
	b. **Net** value of fixed assets, as of BEGINNING of 1967 (i.e., gross value, **less** accumulated depreciation and amortization)	$	4-2
	c. Total capital expenditures DURING 1967 (copy figure from Item 6e)	$	4-3
	d. Other acquisitions by your company (by merger, exchange of stock, etc.) of fixed assets DURING 1967 (if **not** included in Line c above)	$	4-4
	e. Depreciation and amortization charges against fixed assets DURING 1967 (**including** charges against those acquired or completed during the year)	$	4-5
	f. Other deductions from fixed assets DURING 1967 (i.e., net value of assets sold, retired, scrapped, or destroyed; and other adjustments)	$	4-6
	g. Net value of fixed assets, as of END of 1967. (**Should equal Lines b + c + d − e − f.** If not, please comment in "Remarks.") →	$	4-7*
ITEM 8. RENTAL PAYMENTS MADE DURING 1967 (EXCLUDE LAND) Report all rental payments made or accrued during 1967 to other firms which own the plant and equipment rented or leased by your company and its subsidiaries. In reporting rents paid (or equivalent charges) for use of "Buildings and structures," **exclude** separately identified fees for leasing of land (such as ground rents). Under "Machinery and equipment," be sure to **include** rental payments (or equivalent charges) for use of production machinery, office equipment, computer systems, passenger cars, trucks, materials handling equipment, and all other types of machinery or equipment.	**Rental payments made by your company:**		
	a. For use of BUILDING AND STRUCTURES (excluding land)	$	5-1
	b. For use of MACHINERY AND EQUIPMENT	$	5-2
	c. **TOTAL RENTAL PAYMENTS DURING 1967** (Sum of Lines a and b) →	$	5-3
ITEM 9. INVENTORIES, AS OF BEGINNING AND END OF 1967 Report all inventories of your company and its subsidiaries at the beginning and end of 1967 on a comparable basis. Inventories should **include**: finished products; work-in-process; and materials, supplies, fuels, etc. **Exclude** inventories of subsidiaries in foreign countries. In aggregating the inventories of your company and its subsidiaries, report value on a **current cost basis**, if feasible, otherwise at book value.	**Value of inventories:**		
	a. All inventories, as of BEGINNING of 1967	$	5-4
	b. All inventories, as of END of 1967	$	5-5
ITEM 10. TOTAL COMPANY ASSETS, AS OF END OF 1967 Report the balance sheet assets of your company and its subsidiaries on a **consolidated** basis. Lines a and b should include **only domestic** assets of your company and its subsidiaries. Line c should include all assets of your company and its subsidiaries in **foreign** countries, regardless of type.	**Type of company assets:**		
	a. Net value of fixed assets (From Item 7, line g)	$	5-6
	b. All other **domestic** assets (i.e., inventories, cash, accounts receivable, land, etc.)	$	5-7
	c. All **foreign** assets (i.e., assets located in foreign countries)	$	5-8
	d. **TOTAL COMPANY ASSETS, AS OF END OF 1967** (Sum of Lines a, b, and c) →	$	5-9*

REMARKS

ITEM 11.	Name of person to contact regarding this report	Address *(Number and street, city, State)*	*ZIP code*	Telephone: Area code	Number / Ext.
CERTIFICATION	This report is substantially accurate and covers the period from _____ to _____				
	Signature of authorized person	Title		Date	

PENALTIES FOR FAILURE TO REPORT — DUE DATE – APRIL 30, 1968 — Budget Bureau No. 41-S67070; Approval expires December 31, 1969

FORM NC-K4M (9994)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

1967 CENSUS OF MANUFACTURES

DISTRIBUTION OF SALES BY CLASS OF CUSTOMER

In correspondence pertaining to this report refer to this Census File Number

NC-K4M (9994)

KEEP THIS COPY FOR YOUR FILES

PLEASE COMPLETE AND RETURN THE FORM WHICH SHOWS YOUR NAME AND ADDRESS

(Please correct if mailing address has changed)

RETURN TO **JEFFERSONVILLE CENSUS OPERATIONS OFFICE**
Jeffersonville, Indiana 47130

CENSUS USE ONLY		Weight	P/G

GENERAL INSTRUCTIONS

(See also specific instructions with Product Group Reference List)

As part of the 1967 Census of Manufactures, the Census Bureau is conducting this survey of the Distribution of Manufacturers' Sales by Class of Customer. The last such survey was conducted as part of the 1958 Census of Manufactures. This survey will provide a current analysis of the marketing channels through which the goods move from the manufacturer to the user or consumer. The results are needed for the improvement of the national income and product statistics.

Estimates are acceptable – We appreciate that there is no uniform system of sales analysis and that completeness of records varies considerably among companies. Therefore, some companies will have to use estimates to a far greater extent than they do on other Census surveys. If actual records are not available except at considerable expense, or if your class of customer or product groupings differ significantly from those requested, approximations will be acceptable.

What to report – You are requested to provide a summary company level report on the shipments of groups of products from your company's manufacturing plants and sales branches and offices. This report should include data for all domestic subsidiaries, divisions, and establishments as reported on Form NC-K1, "Company Summary Form." You are requested in section 1 to allocate the shipments from your manufacturing plants, including movements within the company, according to type of customer; and in section 2 to further trace the shipments which move from or on order from company operated sales branches, sales offices, and administrative offices.

Product groups – (See accompanying Reference Manual PGL-(NC-K4M).) Report groups of the products for which you report shipments from manufacturing establishments in item 9, Form MA-100. However, the products have been grouped into a smaller number of categories for this report. The Reference Manual lists the product categories for which class of customer information is to be reported and describes the products, as reported on Form MA-100, which are to be summarized into the groups.

At the head of each column, enter the product code and description from the manual. In distributing your sales by class of customer, include products bought and resold in the same condition (resales) in their appropriate product group. Exclude, however, miscellaneous receipts and receipts for contract and commission work. In both sections 1 and 2, please estimate the percent of each product group which is resales, lines 15 and 28.

Allocation of sales and shipments – Special instructions on reporting sales for a few particular products are included in the instructions. Unless there are such special instructions, use the following standards in completing this report.

Section 1 – Allocate the shipments from your manufacturing plants to the classes of customers described. In section 1A, list those customers which represent within company shipments, i.e., to other plants of the company for further processing or to the company's own wholesale or retail outlets. For purposes of section 1A, your sales branches and sales offices, if any, are considered as customers. If you report sales on line 1 (shipments to or on order from sales branches, sales offices or administrative offices), you must also report in section 2. **Products should be valued f.o.b. plant as reported on Form MA-100.**

Section 2 – Products sold from sales branches, sales offices, and administrative offices should be valued at sales price to the customer.

DESCRIPTION OF CLASS OF CUSTOMER

(Corresponds to report form line number)

Section 1A – SHIPMENTS, SALES OR TRANSFERS TO OTHER ESTABLISHMENTS OF THIS COMPANY

1. Sales branches, sales offices, administrative offices – Include shipments to or on orders received through those establishments of your company which report on Form CB-51A–51L, Census of Business, "Manufacturers' Sales Branches and Offices." These are establishments operated by the company primarily to sell the products manufactured by the company, although they may also sell products made by other companies. (These are distinguished from merchant wholesale establishments of the company, SEE line 2.) Also, for purposes of this inquiry consider as a sales office any administrative office which handles sales of the company. These establishments report on Form NC-X6, "Central Administrative Offices and Auxiliaries."

Include as shipments to sales branches, sales offices and administrative offices not only the value of products actually shipped from the plant to these establishments, but also products shipped from the plant to customers on order from the sales branch or office. If any sales are reported on line 1, section 1, sales from sales branches and sales offices, you must also complete section 2.

2. Merchant wholesale establishments – Report shipments to or orders from any establishment operated by this company for which you report in the 1967 Census of Business on Form CB-50A–50R.

3. Retail stores or outlets – Report sales through separately operated retail stores for which a report is also required in the Census of Business.

4. Other manufacturing plants – Report all transfers or shipments from one manufacturing plant of this company to another whether for further processing, for use as a material or supply, or for resales by the other plants.

5. Other establishments – Report all transfers or shipments to other plants of this company, such as mining, transportation, service, etc.

Section 1B – SHIPMENTS TO OTHER COMPANIES, INDIVIDUALS, GOVERNMENTS, AND EXPORT

6. Wholesalers – Include all wholesale companies purchasing primarily for resale to other businesses or to institutions and not directly to household consumers or farmers.

7. Retailers – (Do not include shipments to your company's own retail outlets.) Include sales to businesses which sell merchandise for personal, household, or farm consumption. Include all chain stores, mail order houses, department stores, independent retailers, including independent route salesmen such as bakery or dairy truck distributors who sell directly to households.

8. Manufacturers – Report sales to companies known to be engaged in manufacturing. Include as manufacturers food processors such as meat packers, bakeries, and bottling plants; sheet metal operations; feed mixers; logging camps; sawmills; printing; publishing; apparel jobbers; machine shops.

9. Commercial and industrial users, construction, State and local governments, private and public institutions – Include all private firms and businesses not considered manufacturers, retailers, or wholesalers. Thus, include companies engaged in construction, mining, transportation; as well as utilities, restaurants, hotels, and other businesses providing services; include hospitals and schools, as well as State and local governments. (Report sales to the Federal Government separately.) **Lines 9b (and 22b) are used only for product groups for which special instructions appear in the Product Group Reference List.**

10. Individuals, household users, and farmers – Include all direct sales from the manufacturing plants to households, farmers, and individual users (including sales to your company's own employees at retail, even if at a discount). Companies which deliver products to customers should include route sales to households in this item (sales to stores, institutions, and restaurants), State and local governments should be reported in the appropriate category.

11. Federal Government – Include all sales to branches of the Federal government and to corporations owned by the Federal Government; include sales to military post exchanges, ship's stores and similar units.

If you operate manufacturing plants reporting on Census Form MA-175, "Report on Shipments to or Receipts for Work Done for Federal Government Agencies and Their Contractors and Suppliers," report as sales to government only those shipments made directly to the government. Indirect sales under subcontractor should be reported as shipments in the class of customer to which the prime contractor is classified, usually **other manufacturing companies.**

12. Export – Report sales for direct export, including shipments to your company's foreign subsidiaries and affiliates. Do NOT include shipments to domestic exporters which should be reported as sales to wholesalers.

13. Other – Report sales for all customers not listed in lines 6-12 (and 19-25).

14. Total shipments from manufacturing establishments – The sum of lines 1-13 should approximate the sum of product class shipments comprising the group reported in item 9, Form MA-100, of establishment reports with allowance for resales.

16. Total for product group reported in item 9 of Form MA-100 should equal the sum of product class shipments comprising the product group reported in item 9, Form MA-100.

Section 2 – SALES BY SALES BRANCHES, SALES OFFICES, AND ADMINISTRATIVE OFFICES – Lines 17-26 – Class of customer definitions are the same as for section 1B.

Name of person to contact regarding this report	Address *(Number and street, city, State)*	*ZIP code*	Telephone: Area code	Number	Extension

CERTIFICATION – This report is substantially accurate and covers the period from _____ to _____

Name of company	Address *(Number and street, city, State)*	*ZIP code*

Signature of authorized person	Title	Date

Please continue on page 2

FORM NC-K4M – DISTRIBUTION OF SALES BY CLASS OF CUSTOMER CENSUS FILE NO. → Page ____ of ____ pages

Line number	Class of Customer Categories		Key	Code and product group description (See Product Group Reference List) – *Report in thousands of dollars*											Key
	Section 1 - Report shipments from manufacturing establishments at same prices as reported on the individual 1967 Census of Manufactures establishments reports, i.e., f.o.b. factory value.		1-1	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	1-1
			2-1												2-1
	Section 2 - Report sales from sales branches, sales offices, and administrative offices at final sales prices to customer.		3-1												3-1
			4-1												4-1
	Section 1 – SHIPMENTS FROM MANUFACTURING ESTABLISHMENTS														
1	**A. To other establishments of this company**	To or on orders from separate sales branches, sales offices, and administrative offices (establishments for which Census Forms CB-51A - 51L and NC-X6 are filed) *(If you have entries on this line, complete section 2)*	1-2	$	$	$	$	$	$	$	$	$	$	$	1-2
2		Merchant wholesale establishments (for which Census Forms CB-50A - 50R are filed)	1-3												1-3
3		Retail stores or outlets	1-4												1-4
4		Other manufacturing plants	1-5												1-5
5		Other establishments *(Describe)*	1-6												1-6
6	**B. To other companies, individuals, governments, and export**	Wholesalers	1-7*												1-7*
7		Retailers	2-2												2-2
8		Manufacturers	2-3												2-3
9a		Commercial and industrial users, construction, State and local governments, private and public institutions	2-4												2-4
9b		*(See note below)*	2-5												2-5
10		Individuals, households, and farmers	2-6												2-6
11		Federal Government	2-7												2-7
12		Export, including shipments to foreign subsidiaries. Exclude shipments to domestic exporters	2-8												2-8
13		Other *(Describe)*	2-9*												2-9*
14	**TOTAL** – (Sum of lines 1-13 should approximate the sum of product class shipments comprising the group reported in item 9, Form MA-100, of establishment reports with allowance for resales)		3-2												3-2
15	Approximate **percent** (omit decimals) of total shipments, included in line 14, that are products bought and resold without additional processing by your company		3-3XX	%	%	%	%	%	%	%	%	%	%	%	3-3XX
16	Total for product group reported on Forms MA-100		3-6												3-6
	Section 2 – SALES BY SALES BRANCHES, SALES OFFICES, AND ADMINISTRATIVE OFFICES *(Complete if entry was made on line 1)*														
17	**A. To other establishments of this company**	Retail stores and outlets	3-7												3-7
18		Other establishments *(Describe)*	3-8												3-8
19	**B. To other companies, individuals, governments, and export**	Wholesalers	3-9												3-9
20		Retailers	3-10*												3-10*
21		Manufacturers	4-2												4-2
22a		Commercial and industrial users, construction, State and local governments, private and public institutions	4-3												4-3
22b		*(See note below)*	4-4												4-4
23		Individuals, households, and farmers	4-5												4-5
24		Federal Government	4-6												4-6
25		Export, including shipments to foreign subsidiaries. Exclude shipments to domestic exporters	4-7												4-7
26		Other *(Describe)*	4-8												4-8
27	**TOTAL** – (Sum of lines 17-26 should approximate the total of the sales reported on Forms CB-51A – 51L and NC-X6)		4-9												4-9
28	Approximate **percent** (omit decimals) of total shipments, included in line 27, that are products bought and resold without additional processing by your company		4-10*	%	%	%	%	%	%	%	%	%	%	%	4-10*

NOTE- Use line 9b and 22b ONLY for product groups for which special instructions appear in Product Group Reference List.

PENALTIES FOR FAILURE TO REPORT — DUE DATE – April 30, 1968 — Budget Bureau No. 41-S67070; Approval Expires December 31, 1969

FORM NC-K4S (9995) — U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code.). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

1967 CENSUS OF MANUFACTURES

DISTRIBUTION OF SALES BY CLASS OF CUSTOMER

In correspondence pertaining to this report please refer to this file number.

NC-K4S (9995)

RETURN TO **JEFFERSONVILLE CENSUS OPERATIONS OFFICE**
Jeffersonville, Indiana 47130

CENSUS USE ONLY		Weight					P/G

PLEASE READ INSTRUCTIONS ON REVERSE SIDE BEFORE COMPLETING REPORT

(Please correct any errors in name and address)

DISTRIBUTION OF THE VALUE OF SHIPMENTS FROM MANUFACTURING ESTABLISHMENTS BY CLASS OF CUSTOMER: This report provides a summary of the distribution of the shipments of this company by class of customer. The total value of products distributed should approximately equal the total value reported on the 1967 Form MA-100 submitted by your company and should be at the same prices (f. o. b. factory or plant) as reported on that form. **Estimates are acceptable.**

Line number	Class of customer categories (A)	Value of products shipped *(Thousands of dollars)* (B)	Key 1–1XXXXX 2–1XX 3–1
1	Shipments to wholesalers	$	1–7*
2	Shipments to retailers		2–2
3	Shipments to other manufacturers		2–3
4a	Shipments to commercial and industrial users, construction, State and local governments, private and public institutions		2–4
4b	*(See note below)*		2–5
5	Shipments to individuals, households, and farmers		2–6
6	Shipments to the Federal Government		2–7
7	Exports, including shipments to foreign subsidiaries. Exclude shipments to domestic exporters which are reported as wholesalers, line 1		2–8
8	Other *(Describe)*		2–9*
9	**Total** (Sum of **lines 1** through **8** should equal sum of values reported in items **9a** through **9j** and **9m** (resales) of your 1967 Form MA-100)		3–2
10	Enter the **percent** of **line 9** above representing goods manufactured by other companies bought and sold by this company without further fabrication	%	3–3
11	Receipts for work done for others on their materials (same as item **9k** of your 1967 Form MA-100)		3–4
12	Miscellaneous receipts (sum of receipts in item **9l** of your 1967 Form MA-100)		3–5
13	**Total** (**lines 9 + 10 + 11**; same as item **9n** of your 1967 Form MA-100)		3–6*

NOTE – Line 4b is to be used only if your primary product for 1967 is included on lists A and B shown under Special Instructions.

Remarks

Name of person to contact regarding this report	Address *(Number and street, city, State)*	*ZIP code*	Telephone: Area code	Number	Extension

CERTIFICATION – This report is substantially accurate and covers the period from _____ to _____.

Name of company	Address *(Number and street, city, State)*	*ZIP code*

Signature of authorized person	Title	Date

Please continue on page 2

GENERAL INSTRUCTIONS

As part of the 1967 Census of Manufactures, the Bureau of the Census is conducting this survey of the Distribution of Manufacturers' Sales by Class of Customer. This survey will provide a current analysis of the institutions through which the Nation's goods move from the manufacturer to the customer. The results are needed for the improvement of the national income and product statistics. The latest broad-scale survey of the distribution of sales covered 1958.

One Form (NC-K4S) should be completed by each company operating only one place of business during 1967. If you operate more than one separate place of business, please let us know and we will send you the correct form.

This report covering all of the domestic activities of the company will measure the flow of products from this company to its customers. Please report in column (B) the value of all of your products (whether made in your company or purchased and resold without further fabrication) shipped to each of the class of customer categories listed in column (A). Report shipments on consignment as though the merchandise had been sold at the time of the shipment. If such consignment shipments are to agents, consider the agent as a wholesaler.

Estimates are acceptable – We appreciate that there is no uniform system of sales analysis for all manufacturing companies and that reporting on this form will require some companies to resort to the use of estimates to a greater extent than is usually necessary for Census report forms. If you do not have records showing your sales by class of customer or if your sales analysis by customer class differs for some of the classes shown on this form, approximate figures will be acceptable. It is hoped that you can provide estimates that do not miss the actual figure by 2 or 3 percent of the total value of sales for the product group.

Form NC-K4S – should equal – **1967 Form MA-100**

Line 9 . . . . . Item 9a-9j and 9m (resales)
Line 10 . . . . . Item 9k
Line 11 . . . . . Item 9l
Line 12 . . . . . Item 9n

1. Wholesalers – Include all wholesale companies purchasing primarily for resale to other businesses or to institutions and not directly to household consumers or farmers. Include industrial distributors, drop shippers, desk jobbers, voluntary group wholesalers, retail cooperative warehouses and buying groups, as well as wholesale merchants, exporters and export intermediaries and similar types of operations.

2. Retailers – Include sales to businesses which sell merchandise for personal, household, or farm consumption. Include all chain stores, mail order houses, department stores, independent retailers including those who operate their own home service delivery routes such as independent bakery or dairy truck distributors.

3. Manufacturers – Report sales to companies known to be engaged in manufacturing. Include as manufacturers food processors such as bakeries; bottling plants; sheet metal operations; feed mixers; logging camps; sawmills; printing; publishing; apparel jobbers; producers of ready-mixed concrete; machine shops.

4. Commercial and industrial users, construction, State and local governments, private and public institutions – Include all private firms and businesses not considered manufacturers, retailers, or wholesalers. Thus, include in this item companies engaged in construction, mining, transportation; as well as utilities, restaurants, hotels, and other businesses providing services; include hospitals and schools, as well as **State and local governments.** (Report sales to the Federal Government separately.)

5. Individuals, household users and farmers – Include all direct sales from the manufacturing plants to households, farmers, and individual users, including sales to your company's own employees at retail, even if at a discount. Operating plants of the company which deliver products to customers should include route sales to households in this item (sales to stores, institutions, restaurants, State and local governments should be reported in the appropriate category).

6. Federal Government – Include all sales to branches of the Federal Government and to corporations owned by the Federal Government; include sales to military post exchanges, ship's stores and similar units.

If you report on Census Form MA-175, "Report on Shipments to or Receipts for Work Done for Federal Government Agencies and Their Contractors and Suppliers," report as sales to government only those shipments made directly as prime contractor. Indirect sales under subcontractor should be reported as shipments in the class of customer to which the prime contractor is classified, usually other manufacturing companies.

7. Export – Report sales for direct export, including shipments to your company's foreign subsidiaries and affiliates. Do **not** include shipments to domestic exporters which should be reported as sales to wholesalers.

SPECIAL INSTRUCTIONS

Line number	If your primary product for 1967 is –	Report amount of all 1967 shipments to –	Exclude such shipments from –
	List-A		
1	Wines and brandy	State and local governments on line 4b (Enter "State and local governments" in column A, line 4b)	Line 4a
2	Bottled liquors		
3	Gasolene and jet fuel		
4	Kerosene and fuel oil (distillate and residual)		
5	Asphalt, asphalt felts and coatings		
6	Wheel tractors, parts and attachments, except contractors, off-highway and garden types		
7	Track laying tractors, parts and attachments		
8	Construction and mining machinery		
9	Truck and bus bodies		
10	Truck trailers and chassis		
11	Trucks, truck chassis and truck tractors		
12	Motor coaches, fire department and combat vehicles		
	List-B		
1	Steel pipe and tubing	Construction and building contractors on line 4b (Enter "Construction" in column A, line 4b)	Line 4a
2	Builders' hardware		
3	Metal plumbing fixtures and fittings		
4	Heating and cooking equipment		
5	Fabricated structural iron and steel		
6	Sheet metal products		
7	Lighting fixtures, excluding incandescent vehicular lighting equipment, complete		
8	Household refrigerators and home and farm freezers		
9	Other refrigeration and air-conditioning equipment		
10	Insulated wire and cable		
	List-C		
1	Fresh meat and lard	Meat jobbers, wholesalers and retailers on line 1	Line 2
2	Cured meat and sausage		
3	Canned meats, except dog and cat food		
4	Poultry and small game		

REPORT SHIPMENTS TO –

Leather jobbers as shipments to wholesalers on line 1.
Textile converters as shipments to wholesalers on line 1.
Apparel jobbers as shipments to other manufacturers on line 3.
Military aircraft under the Mutual Security Program and the Military Defense Assistance Program as shipments to the Federal Government on line 6.
Producers of ready-mixed concrete as shipments to other manufacturers on line 3.

PENALTIES FOR FAILURE TO REPORT — DUE DATE—APRIL 30, 1968 — Form approved: Budget Bureau No. 41-66161

FORM MC-36B (3602) — U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS

1967 CENSUS OF MANUFACTURES

SWITCHGEAR AND SWITCHBOARD APPARATUS AND INDUSTRIAL CONTROLS

RETURN TO: JEFFERSONVILLE CENSUS OPERATIONS OFFICE, Jeffersonville, Indiana 47130

PLEASE READ GENERAL INSTRUCTIONS ON PAGE 2 AND INSTRUCTIONS ACCOMPANYING EACH ITEM BEFORE COMPLETING

If book figures are not available, carefully prepared estimates are acceptable.

The Census Bureau reviews your report for completeness and consistency. To avoid correspondence, please complete every item. Enter "0" in items 2–8 if appropriate.

In all correspondence with the Census Bureau, include the 11-digit Census File Number in the upper left of the address box. High speed electronic equipment is used to identify both correspondence and reports. If your correspondence does not include the Census File Number, it will be returned to you for the addition of that number. **Please enter the 11-digit number in the File No. space provided at the top of all odd-numbered pages.**

NOTICE—Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report refer to this Census File Number ➘ **Employer Identification Number** ➘

MC-36B (3602)

KEEP THIS COPY FOR YOUR FILES

PLEASE COMPLETE AND RETURN THE FORM WHICH SHOWS YOUR NAME AND ADDRESS

(Please correct if mailing address has changed)

ITEM 1 Physical location (a) and Employer Identification Number (b) Complete both (a) and (b)

a. Is the address originally printed in the address box the ACTUAL PHYSICAL LOCATION of this establishment?

☐ Yes—Complete lines (3), (4), and b. ☐ No—Complete lines (1) through (4), and b.

(1) Number and street (See note)	City, village, or other place
(2) State	ZIP code

Note—If location cannot be described by number and street, give name or number of highway and approximate distance from nearest town.

(3) County in which your establishment is physically located

(4) Is the establishment physically located within the boundaries of the city or village? 1 ☐ Yes 2 ☐ No

b. Is the Employer Identification (E.I.) Number printed in the address label the SAME as that used for this establishment on your latest 1967 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ Yes ☐ No—If "No," enter currently assigned E.I. No. here → (9 digits) ___-_____

ITEM 2 Number of employees

Production workers—Workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspecting, receiving, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, watchman services, product development, auxiliary production for plant's own use (e.g., powerplant), record keeping, and other closely associated services. Exclude proprietors and partners.

All other employees—Nonproduction personnel, including those engaged in the following: supervision above working foreman level, sales (including driver salesmen), sales delivery (including driver and helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional and technical. Exclude proprietors and partners. (See also General Instructions, page 2.)

		Key
Number of production workers during pay period, including the 12th of the month	a. March	0-1
	b. May	0-2
	c. August	0-3
	d. November	0-4
e. **Sum of lines a–d**		0-5
f. Average number (divide line e by 4)		0-6
g. All other employees (pay period including March 12th)		0-7
h. **TOTAL (Sum of lines f and g)** →		0-8 *

NOTE ▶ Figures for dollars, man-hours, KWH should be rounded to thousands. However, you may enter figures to nearest dollars. Carefully enter your figures in the correct columns, e.g., if payroll is $1,125,628, report either: Mil. 1 | Thou. 126 | Dols. | OR Mil. 1 | Thou. 125 | Dols. 628

ITEM 3A Payrolls ($000) — Enter the total (before deductions) of wages, salaries, bonuses, commissions, and other remunerations paid in 1967. Exclude payments to proprietors and partners. (See also General Instructions, page 2.)

	Mil.	Thou.	Dols.	
a. Production workers' wages	$			1-1
b. All other employees' salaries and wages				1-2
c. **TOTAL (Sum of lines a and b)** →	$			1-3

ITEM 3B—Not applicable to this form.

ITEM 4 Plant man-hours of production workers, by quarter (000) — Report man-hours of production workers (as defined in item 2) for each calendar quarter (or comparable 13-week period) of 1967. Do **not** include hours for paid vacations, holidays or sick leave. Overtime hours should be actual hours, not straight time equivalent hours.

	Mil.	Thou.	Hrs.	
a. January through March				1-4
b. April through June				1-5
c. July through September				1-6
d. October through December				1-7
e. **TOTAL (Sum of lines a–d)** →				1-8 *

ITEM 5 Cost of materials, fuels, electricity, contract work ($000) — On lines a and e, report the cost of all items **actually consumed or put into production in 1967**, whether purchased or withdrawn from inventories. Purchase records may be used if purchases closely approximate consumption. "Cost" refers to amounts actually paid or payable after discounts, and includes freight and other direct charges incurred in acquiring the items. (See also General Instructions, page 2.) Item 5a should equal total of "Materials Consumed," item 17A (column D). Item 5e should equal total of "Fuels Consumed," item 17B (column D).

	Mil.	Thou.	Dols.	
a. Cost of materials, parts, components, containers, etc., consumed	$			2-1
b. Cost of products bought and resold as such				2-2
c. Cost of fuels consumed				2-3
d. Cost of purchased electricity				2-4
e. Cost of contract work done for you by others on your materials				2-5
f. **TOTAL (Sum of lines a–e)** →	$			2-6 *

ITEM 6 Inventories of this establishment ($000) — Report all inventories of this establishment at the beginning and end of 1967 on a comparable basis. The reported figures should be in terms of cost (if feasible, on a current cost basis).

Inventories	Key	Beginning of 1967 Mil.	Thou.	Dols.	End of 1967 Mil.	Thou.	Dols.	
a. Finished products	3-1	$			$			3-5
b. Work-in-process	3-2							3-6
c. Materials, supplies, fuels, etc.	3-3							3-7
d. **TOTAL (Sum of lines a–c)** →	3-4	$			$			3-8 *

ITEM 7 Capital expenditures during year (Exclude land) ($000) — Include all costs actually incurred **during 1967** chargeable to the fixed assets accounts and of the type for which depreciation accounts are ordinarily maintained. If you did **not** make any expenditure of the kind described, enter "0." (See also General Instructions, page 2.)

	Mil.	Thou.	Dols.	
a. New structures and additions to this plant	$			4-1
b. New machinery and new equipment				4-2
c. Used plant and used equipment acquired from others				4-3
d. **TOTAL (Sum of lines a–c)** →	$			4-4

ITEM 8 Electricity (1,000 KWH) — Report kilowatt hours of electricity purchased.

	Bil.	Mil.	Thou.	Units	
Quantity of purchased electricity (for which cost is reported in item **5d**), kilowatt hours →					4-5 XX

ITEMS 9, 10, and 11—Not applicable to this form.

ITEM 12 Legal form of organization — **Legal form of organization** of the company which operates this establishment—(X) appropriate box — X-1

1 ☐ Individual proprietor 0 ☐ Corporation (Do not mark if any form of cooperative association) 9 ☐ Other—Specify ___

2 ☐ Partnership 8 ☐ Co-op (cooperative association), corporate and noncorporate

ITEM 13 Changes in ownership or operation and company affiliation — X-2

a. Changes in ownership or operation of this establishment during 1967.

(1) ☐ No change in ownership or operation

(2) ☐ Reorganized (Describe in "Remarks," e.g., partnership change, or change in corporate status)

(3) ☐ Started new business—Date ___

Discontinued operations—Date ___

(4) ☐ Plant dismantled, abandoned or destroyed

(5) ☐ Plant idle or inactive but still owned

(6) ☐ **Mark this box** if plant was purchased or leased from another company. (Enter below: name, address, and Employer Identification Number (if known) of former owner or operator and date of purchase or lease.)

(7) ☐ **Mark this box** if plant was sold or leased to another company. (Enter below: name, address, and Employer Identification Number (if known) of new owner or operator and date of sale or lease.)

Name of company	Address (Number, street, city, State, ZIP code)	E.I. Number ___-_____ Date

b. Company affiliation—Complete only if the first digit of your Census File Number (imprinted in the address box) is a zero "0." Census records indicate these companies operate only **one** place of business. (If "Yes" is marked for any line, complete item 14) — X-3

(1) Is this company owned or controlled by any other company? 1 ☐ Yes 2 ☐ No

(2) Does this company own or control any other companies? 1 ☐ Yes 2 ☐ No

(3) Does this company operate more than one place of business? 1 ☐ Yes 2 ☐ No

(4) Did this company have any plants under construction but not in operation at the end of the year? 1 ☐ Yes 2 ☐ No

1	2	3	4		1	2	3	4	X-4

1	2	3	4		1	2	3	4	X-5 *

Please continue on Page 2

ITEM 14	Name and address and Employer Identification Number	Activity (Describe, e.g., retail, manufacture, etc. and chief products sold)	Payroll and sales ($000) Millions	Thous.	Dols.	Are payrolls and sales included in this report? Yes	No
a. Other companies owned or business locations operated Complete if item 13b(2), (3) or (4) is marked "Yes"	1 Employer Identification Number __ __—__ __ __ __ __ __ __		Payroll $			☐	☐
			Sales				
	2 Employer Identification Number __ __—__ __ __ __ __ __ __		Payroll			☐	☐
			Sales				
	1 Employer Identification Number __ __—__ __ __ __ __ __ __		Payroll			☐	☐
			Sales				
b. Parent Company Complete if item 13b(1) is marked "Yes"	2 Employer Identification Number __ __—__ __ __ __ __ __ __						

ITEM 15 — Not applicable to this form.

Checks to assure a complete and accurate report

The Census Bureau reviews your report for omissions, inconsistencies, and unusual ratios. To save you future correspondence about these problems, please make the following checks before returning your report: (1) Review the report carefully to see that no items are omitted for the year being covered; (2) Calculate and enter figures for the four "reasonableness" checks below, and review the results; (3) Correct your report for any errors you find; explain unusual figures in "Remarks."

"Reasonableness" checks	Calculation required for each check	Figures for 1967
a. Average hourly wages per production worker	Item 3Aa (Production workers' wages) ÷ item 4e (Total man-hours)	$
b. Hours worked per year per production worker	Item 4e (Total man-hours) × 1000 ÷ item 2f (Average number of production workers)	Hrs.
c. Salaries and wages per dollar of shipments	Item 3Ac (Total payroll) ÷ item 18 (Total value of shipments)	¢
d. Materials cost per dollar of shipments	Item 5f (Total materials cost) ÷ item 18 (Total value of shipments)	¢

e. Is the total for value of shipments (item 18) greater than the sum for payroll (item 3Ac) plus total cost of materials, etc. (item 5f) ☐ Yes ☐ No — Explain in "Remarks."

GENERAL INSTRUCTIONS

A separate Census report is required for each manufacturing establishment; therefore, based on Census records, a report form is provided for each establishment which your company operated in 1967.

For purposes of the Census, a **manufacturing establishment** is defined as a single physical location where manufacturing operations are performed (e.g., a factory, mill, or plant). Thus a separate report is required for different physical locations even though the establishments may be engaged in the same line of manufacturing.

Please note that establishments engaged in the following activities are also considered to be manufacturing for the purposes of this Census: Poultry dressing; milk pasteurizing and bottling; seafood, fresh packaged or frozen; apparel jobbing and contracting; logging camps and logging; sawmills; printing; publishing—book, magazine, periodical, etc.; manufacturing and delivering ready-mixed concrete; machine shops, including those operating on a job order basis; job casting, stamping, machining; plating, galvanizing, polishing materials owned by others, etc.; ship and boat repairing.

In completing this report, a limited amount of prorating or estimating is acceptable if book records are not readily available. Include all the activities conducted **within** the establishment: e.g., manufacturing, fabricating, processing, and assembling; maintenance of plant and equipment; receiving, shipping, warehousing, storage; research; record keeping; health, safety, cafeteria, and other services.

Each report should cover the calendar year 1967. However, a report is required even if the establishment operated only part of the year. If your book records are not on a calendar year basis, carefully prepared estimates will be acceptable. If reporting on a calendar year basis will require considerable additional costs, and your fiscal year covers at least 10 months of the calendar year 1967 (i.e., ends between October 31, 1967 and February 29, 1968), you may report on a fiscal year basis. However, all employment, payroll, and man-hour figures should relate to the calendar year rather than the fiscal year. (Calendar year payroll records should be available from your tax records.)

In the certification, enter the exact dates of the period covered by the report. If the ownership changed during the year, complete the report only for that part of 1967 in which your company owned and operated the establishment. Report in item 13 the appropriate information on changes in ownership or operations.

If additional report forms are needed, write to the Jeffersonville Census Operations Office. Be sure to describe the type of activity of the establishments for which the additional report forms are requested.

CONTINUATION OF INSTRUCTIONS FOR ITEMS 2, 3, 4, 5, and 7

(Definitions of employees and payrolls used to calculate withholding taxes generally may be followed in completing items 2 and 3A, Employment and Payrolls.)

Item 2. Number of Employees—Be sure to include all persons on paid sick leave, paid holidays, and paid vacation during the pay periods, as well as those actually working. Exclude members of armed forces and pensioners carried on your active rolls. Include officers at this establishment if a corporation; if an unincorporated concern, exclude proprietors or partners.

Item 3A. Payrolls—Report the gross earnings paid in the calendar year 1967 to employees on the payroll at the establishment prior to such deductions as employee's Social Security contributions, withholding taxes, group insurance premiums, union dues, and savings bonds. Include in gross earnings, commissions, dismissal pay, paid bonuses, vacation and sick-leave pay, and the cash equivalent of compensation paid in kind. Include salaries of officers at this establishment if a corporation; if an unincorporated concern, exclude payments to proprietors or partners. Exclude payments to agricultural employees, fishermen, members of armed forces, and pensioners carried on your active payroll.

Item 4. Plant Man-hours of Production Workers—If an employee elects to work during vacation periods, report only actual hours worked.

Item 5. Cost of Materials, Fuels, Electricity, and Contract Work—If actual consumption records are not available, cost of purchases may be used if these do not differ significantly from the amounts actually used. The consumption of any major item which differs significantly from purchases should be estimated by adding beginning inventories to the amounts purchased and subtracting from this total the cost of goods on hand at the end of the year.

Item 5a. Cost of Materials, Parts, Components, Containers, Supplies, etc., Consumed—Report the delivered cost of all raw materials, containers, scrap, and supplies, etc., which were: (1) put into production; (2) used as operating supplies; (3) used in repair and maintenance. Include also cost of materials owned by this establishment but consumed by other companies to make products for this establishment under contract. (The value of these products should be reported in item 18.) Amounts paid to other companies for such contract work should be reported on line 5e and should include freight out and in. If semi-finished goods, parts, or components were produced and incorporated into finished products at this plant during 1967, include the cost of raw materials used rather than the value of the intermediate products.

Include **only** value of **physical goods used** or put into production. Exclude cost of such **services** as advertising, telephone, telegram and cable, insurance; developmental, research, or engineering; management, marketing, and other professional consultants, etc., unless charges for such services are included in the prices paid for materials. Exclude also such **overhead** items as depreciation charges against plant and equipment; rent and rental allowances, interest payments, royalties, and patent fees. Exclude materials, supplies, machinery, and equipment which were used in the construction of new structures or additions to your plant, or new machinery and equipment, and which were chargeable to fixed assets accounts. Exclude products purchased and resold without further manufacturing, processing or assembling; their costs should be included in item 5b.

Item 5b. Cost of Goods Sold Without Further Manufacturing, Processing, or Assembling in this Establishment—Include all products bought and resold in the same condition as when purchased and not made part of another product manufactured by this establishment. (Total sales value of all products resold is to be reported in item 18 on the line for "Resales.")

Item 5c. Fuels Consumed—Report cost of all fuels (including gasoline) consumed for heat, power, transportation, and the generation of electricity.

Item 5e. Cost of Contract Work Done for You by Others on Your Materials—Report the total payments made during 1967 for any work done by others on materials furnished by your establishment, including freight out and in on the materials furnished by you.

Item 7. Capital Expenditures for this Establishment (Exclude expenditures for land)—Capital expenditures during 1967 may be determined by the following computation: The cost of additions completed during the year, plus construction in progress at the end of the year, minus construction in progress at the beginning of the year.

Item 7a. New Structures and Additions to Plant—Report total expenditures during 1967 for new construction (whether constructed on contract or by your own forces), major alterations, capitalized repairs, and improvement of buildings, including all new elevators, cranes, heating and ventilating equipment, essentially a part of the buildings. Also, other fixed structures (such as brick kilns, shipways, and similar types of structures), and site improvements (such as roads, docks, tracks, parking lots, fences, utilities).

Item 7b. New Machinery and New Equipment—Report total expenditures at this establishment for new production machinery and equipment and other new machinery and equipment. Include replacements, as well as additions to capacity. Include the value of capitalized improvements and repairs to machinery and machinery produced and used at this establishment. Include all new motors, lathes, punch presses and similar machinery and equipment for use in production, as well as all new office machines and fixtures, furniture, cafeteria and dressing room furnishings, automobiles and trucks, and other similar equipment.

Item 7c. Used Plant and Used Equipment Acquired from Others—Report total expenditures at this establishment for old or existing plants and for second-hand equipment acquired from others, including the U.S. Government. Include at approximate market value machinery or equipment transferred from other plants of your company.

Please continue on Page 3

FORM MC-36B (3602) U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

1967 CENSUS OF MANUFACTURES

SWITCHGEAR AND SWITCHBOARD APPARATUS AND INDUSTRIAL CONTROLS - Continued

FILE NO.

Page 3

Name of establishment (Same as address box)

Item 16 – INDUSTRIAL WATER USE DURING 1967 — 4-8

The total quantity of water intake (fresh and brackish) in this establishment during the entire year 1967 - (Mark one box only)

1 ☐ Under 1 million gallons
2 ☐ 1 to 9 million gallons
3 ☐ 10 to 19 million gallons
4 ☐ 20 to 99 million gallons
5 ☐ 100 million gallons or over

Item 17A – CONSUMPTION OF SELECTED MATERIALS DURING 1967

REPORT SEPARATELY FOR EACH LISTED MATERIAL THAT WAS ACTUALLY CONSUMED OR PUT IN PRODUCTION DURING 1967

Section I - CONSUMPTION OF MATERIALS PURCHASED OR RECEIVED FROM OTHER ESTABLISHMENTS

INSTRUCTIONS

Report delivered cost of the individual items below which were consumed or put in production during 1967. (See General Instructions (item 5), for valuation.)

Include materials owned by this establishment but consumed by other establishments to make products for this establishment under contract. (Report cost of this contract work in item 5e; and the value of the products produced in item 18.)

Exclude materials owned by others used in this plant to make products for other establishments under contract or on commission. However, report receipts for this contract work in item 18.

Line number	Materials, parts, and supplies (A)	7	7-1 Census material code (B-1)		Unit of measure for quantities (B-2)	7-2 Consumption of purchased materials and of materials received from other establishments of your company: If $5,000 or more of the listed item was consumed – Quantity (C)	7-3 Cost, including delivery cost (freight-in) (D) Millions 000	Thousands 000	Dollars 000	7-4 If you consumed some but less than $5,000 worth of the listed item, enter an (X) (E)
1	MILL SHAPES AND FORMS (EXCEPT CASTINGS) Carbon steel Bars and bar shapes		331011	7	Short tons		$			( )
2	Sheet and strip		331012	5	Short tons					( )
3	Plates		331013	3	Short tons					( )
4	Structural shapes		331015	8	Short tons					( )
5	All other carbon steel mill shapes and forms		331019	0	Short tons					( )
6	Alloy steel (except stainless)		331020	8	Short tons					( )
7	Stainless steel		331031	5	Short tons					( )
8	Copper and copper-base alloy Bare wire (for electrical conduction only)		335728	2	Thousand pounds					( )
9	Insulated wire and cable (Report copper content in column (C))		335790	2	Thousand pounds					( )
10	Rod, bar, and mechanical wire, including extruded and/or drawn shapes		335102	0	Thousand pounds					( )
11	Plate, sheet, and strip, including military cups and discs		335123	6	Thousand pounds					( )
12	Pipe and tube		335127	7	Thousand pounds					( )
13	Aluminum and aluminum-base alloy Sheet, plate, and foil		335202	8	Thousand pounds					( )
14	Extruded shapes, including extruded rod, bar, pipe, tube, etc.		335205	1	Thousand pounds					( )
15	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)		335209	3	Thousand pounds					( )
16	CASTINGS (Rough and semifinished) Steel		332300	3	Short tons					( )
17	Aluminum and aluminum-base alloy		336100	3	Thousand pounds					( )
18	Copper and copper-base alloy		336200	1	Thousand pounds					( )

Please continue on page 4

Form MC-36B

Item 17A – CONSUMPTION OF SELECTED MATERIALS DURING 1967 – Continued

Section I – CONSUMPTION OF MATERIALS PURCHASED OR RECEIVED FROM OTHER ESTABLISHMENTS – Continued

Line number	Materials, parts, and supplies (A)	7	7-1 Census material code (B-1)		Unit of measure for quantities (B-2)	7-2 Consumption of purchased materials and of materials received from other establishments of your company: If $5,000 or more of the listed item was consumed – Quantity (C)	7-3 Cost, including delivery cost (freight-in) (D) Millions 000	Thousands 000	Dollars 000	7-4 If you consumed some but less than $5,000 worth of the listed item, enter an (X) (E)
	INDUSTRIAL ELECTRICAL CONTROL EQUIPMENT (Received for incorporation only into other industrial electrical control equipment shipped, as such, by this plant.)									
19	Purchased from other companies		362200	8			$			( )
20	Received from other plants of your company		362209	9						( )
21	Thermoplastic resins including modified resins. (Cellulosics, polyethylenes, styrenes, etc. Include solid and liquid, but exclude sheets and other shapes.)		282130	4	Thousand pounds					( )
22	Thermosetting resins (Melamines, phenolics, polyesters, ureas, etc. Include solid and liquid, but exclude sheets and other shapes)		282140	3	Thousand pounds					( )
23	All other materials and components, parts, containers, and supplies consumed.....		970099	8						
	(List the three principal "all other materials, etc," included in the above.)									
24	TOTAL → (Sum of lines 1-23 should be same as item 5a)					→	$			

Section II – CONSUMPTION OF CASTINGS PRODUCED IN THIS ESTABLISHMENT AND CONSUMED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

Report below the quantity of each listed item produced in this establishment and consumed in manufacturing products made in this establishment.

Purchases or receipts of the items specified below should be reported only in section I.

Materials used to produce the items specified below should be reported in section I.

Quantities produced for sale as such and not for incorporation in other products should be reported in item 18.

Report quantities in the unit of measure specified in column (B-2).

Line number	Item (A)	7	7-1XXX Census material code (B-1)		Unit of measure for quantities (B-2)	7-5 Quantities produced in this establishment and consumed in manufacturing other products made in this establishment (F)
	CASTINGS (Rough and semifinished)					
1	Steel		332300	3	Short tons	
2	Aluminum and aluminum-base alloy		336100	3	Thousand pounds	
3	Copper and copper-base alloy		336200	1	Thousand pounds	

Item 17B - Not applicable to this form

Please continue on page 5

FORM MC-36B (3602) U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

1967 CENSUS OF MANUFACTURES

SWITCHGEAR AND SWITCHBOARD APPARATUS AND INDUSTRIAL CONTROLS - Continued

FILE NO.

Name of establishment (Same as address box)

Item 18 - PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1967
PLEASE READ THE ENTIRE LIST OF PRODUCTS AND SERVICES BELOW BEFORE ANSWERING THIS INQUIRY

INSTRUCTIONS

Report net selling value, f.o.b. plant, after discounts and allowances and exclusive of freight charges and excise taxes.

Include products made elsewhere for this establishment on a contract basis from materials supplied by this establishment. (The cost of these materials should be included in items 5a and 17A.)

Exclude products made in this establishment on a contract basis from materials owned by others. Report commission or contract receipts on the appropriate line below. (Exclude materials consumed in making these items, from items 5a and 17A.)

Line 24 - The selling value, f.o.b. plant, of products which were resold as originally purchased and not used in further manufacturing, processing, or assembling of products made in this establishment.

TIE-IN LINES - This report requests totals for groups of products covered in more detail on Annual Census Surveys; MA-36A "Switchgear, Switchboard Apparatus, Relays and Industrial Controls," MA-38B "Selected Instruments and Related Products," MA-36K "Wiring Devices and Supplies," and MA-36N "Selected Electronic and Associated Products." The relationship of figures between this survey and those above is noted in columns (B-3 and B-4).

Line number	Products and services (A)	8	8-1 X Census product code (B-1)		Unit of measure for quantities (B-2)	Corresponds to the sum of products reported on — Census form (B-3)	Corresponds to the sum of products reported on — Codes (B-4)	8-3 Products shipped and other receipts Quantity (D)	8-4 Products shipped and other receipts Value, f.o.b. plant (E) Millions 000	Thousands 000	Dollars 000
1	Switchgear, except ducts and relays (36131)		36131 00	1		MA36A	3613111-3613183		$		
2	Power circuit breakers, all voltages (36132)		36132 00	9		MA36A	3613243				
3	Low voltage panelboards and distribution boards and other switching and interrupting devices, 750 volts and under (36133)		36133 00	7		MA36A	3613311-3613398				
4	Fuses and fuse equipment under 2300 volts, except power distribution cut-outs (36134)		36134 00	5		MA36A	3613431-3613493				
5	Molded case circuit breakers, 750 volts and under (36135)		36135 00	2		MA36A	3613511-3613532				
6	Duct, including plug-in units and accessories, 750 volts and under (36136)		36136 00	0		MA36A	3613611-3613631				
7	Relays, control circuit (36137)		36137 00	8		MA36A	3613701-3613703				
8	General industry power circuit devices and controls - industrial controls (36220)		36220 00	2		MA36A	3622012-3622099				
9	Integrating instruments, electrical		36111 00	3		MA38B	3611110-3611161				
10	Other electrical measuring instruments		36113 00	9		MA38B	3611312-3611385				
11	Power mercury arc rectifiers		36292 51	4	Number of units						
12	Current, carrying wiring devices, including lightning rods		36430 00	7		MA36K	3643001-3643098				
13	Electric conduit and conduit fittings		36442 00	2		MA36K	3644221-3644265				
14	Resistors for electronic applications		36793 00	8		MA36N	3679311-3679355				
15	Automatic temperature controls		38220 00	0		MA38B	3822012-3822018				
16	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT Describe and report separately for each product whose value was $50,000 or more and not listed above. (Specify unit of measure for quantity.) For all remaining products describe and report a single total value.										
17											
18											
19											

Please continue on page 6

Form MC-36B

Item 18 – PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1967 – Continued

Line number	Products and services (A)	8	8–1 Census product code (B-1)		Unit of measure for quantities (B-2)	8–3 Products shipped and other receipts: Quantity (D)	8–4 Value, f.o.b. plant (E): Millions 000	Thousands 000	Dollars 000
20	CONTRACT WORK Receipts for work done for others on their own materials..... (Describe products worked on and kind of work)		93000 00	8			$		
21	MISCELLANEOUS RECEIPTS Sales of scrap and refuse		99980 13	8					
22	Receipts for repair work		99980 61	7					
23	Other miscellaneous receipts		99980 98	9					
24	RESALES Sales of products bought and resold without further manufacture, processing or assembly in this establishment. (The cost of such items should be reported in item 5b.)		99989 00	6					
25	TOTAL → (Sum of lines 1-24 column (E))		77000 00	8	→	→	$		

Item 19 – Not applicable to this form.

Item 20 – SELECTED METALWORKING AND RELATED OPERATIONS PERFORMED IN THIS ESTABLISHMENT DURING 1967

		Key	Yes	No
Section I – Were any of the operations listed below performed in this establishment in 1967?.....Mark appropriate one....	9	9–1	208	
		9–2*	( )1	( )2

Section II – If "Yes," indicate in column (C) by marking appropriately, which of the specified operations were performed in this establishment during 1967. Where "Yes" is marked, show in column (D) the approximate number of production workers on all shifts usually engaged in the specified operation.

Line number	Operation (A)	9	9–1 Census code (B)	9–2 Was this operation performed in this establishment during 1967? (C) Yes	No	9–3 Number of production workers (on all shifts) usually employed when operated (estimate if necessary) (D)
1	Foundry (iron or steel)		018	( )1	( )	
2	Foundry (nonferrous, except die casting)		026	( )1	( )	
3	Electroplating and other plating		059	( )1	( )	
4	Heat treating of metals for production purposes		075	( )1	( )	
5	Automatic screw machine department		083	( )1	( )	
6	Machine shop		091	( )1	( )	
7	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling		109	( )1	( )	
8	Pattern shop (foundry patterns only - metal, wood, etc.)		117	( )1	( )	
9	Plate or structural fabrication		125	( )1	( )	
10	Stamping, blanking and forming of metals		133	( )1	( )	
11	Painting, lacquering and enameling on metals		141	( )1	( )	
12	Plastics molding		158	( )1	( )	

Item 21 – Not applicable to this form.

Item 22

Name of person to contact regarding this report	Address (Number and street, city, State)	ZIP code	Telephone: Area code	Number	Extension

CERTIFICATION – This report is substantially accurate and covers the period from _____ to _____.

Name of company	Address (Number and street, city, State)	ZIP code

Signature of authorized person	Title	Date

Use additional sheets of paper, if necessary, to complete any item or to submit any explanation. Identify each sheet with the 11-digit file number appearing over your name.

DUE DATE: THIRTY DAYS AFTER RECEIPT OF FORM

Budget Bureau No. 41-R2349; Approval Expires December 31, 1969

FORM MC-D-171 (9-12-67)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

DEPARTMENT OF DEFENSE ESTABLISHMENTS PRIMARILY ENGAGED IN MANUFACTURING AND ASSEMBLY AND/OR RESEARCH AND DEVELOPMENT OWNED AND OPERATED BY THE DEPARTMENT OF DEFENSE

(Includes shipyards)

(Supplement to the Annual Survey of Manufactures, Census Form MA-100)

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

(Enter mailing address below.)

(PLEASE RETURN THIS COPY)

INSTRUCTIONS – This report is to be prepared by those Department of Defense establishments whose primary activities are manufacture and assembly and/or research and development. All shipyards are included.

The information requested is based upon reports now regularly prepared by most such establishments.

ITEM 1 – NAME AND PHYSICAL LOCATION OF ESTABLISHMENT ON DECEMBER 31, 1967

a. Name of establishment

Your answers to parts b, c, d, e, and f of this item should relate to the ACTUAL PHYSICAL LOCATION of this establishment which may be different from the mailing address.

b. Street and number of establishment location*

***If establishment location cannot be described by street and number, give name and number, if any, of road or highway and sufficient information to locate establishment, e.g., Rt. 25, 3 miles south of Charlesville.*

c. Type and name of place in which located *(Check first applicable type and enter name of place.)*

Type	Name of place
☐ City	
☐ Village or borough	
☐ Town	
☐ Township	
☐ Other *(Specify)*	

d. Is this establishment physically located within the legal boundaries of the place named in "c"?

☐ Yes ☐ No

e. County in which located

f. State

g. Telephone number of establishment *(Include area code)*

ITEM 3 – NATURE OF ACTIVITY

Describe briefly the kind of activity of this establishment.
If a manufacturing plant, list the three most important products.

ITEM 4 – EMPLOYMENT AND PAYROLLS IN CALENDAR YEAR 1967

(Civilian employees only)

Class of employee	Item code	Number of civilian employees in 1967: At end of month (As reported on Civil Service form SF-113*) March (A)	June (B)	September (C)	December (D)	Sum of columns A, B, C, and D (E)	Column E divided by 4 (F)	Total wages and salaries of civilian employees *(Thousands)* (G)
a. Wage Board employees	41							$
b. All others	42							$
c. **TOTAL CIVILIAN EMPLOYEES** → (Sum of lines a and b)	49							$

* The number of Wage Board employees (line a) should be the same as reported on line 7 of SF-113. The total (line c) should be the same as reported on line 1 of SF-113.

ITEM 5 – MAN-DAYS OF WAGE BOARD EMPLOYEES BY CALENDAR QUARTER 1967

Enter the total number of man-days of Wage Board employees for each calendar quarter of 1967. Do not include days paid for vacations, holidays, or sick leave.

Item code	1967 Quarterly period	Man-days *(Thousands)* (A)	Estimated number of man-hours** *(Thousands)* (B)
51	a. January through March		
52	b. April through June		
53	c. July through September		
54	d. October through December		
59	e. **TOTAL, 1967** → (Sum of lines a, b, c, and d)		

** Obtain figure for column (B) by multiplying column (A) by average number of hours per day Wage Board employees in this establishment . . . . . .

Please continue on page 2

USCOMM-DC

ITEM 6 BILLINGS BY THIS ESTABLISHMENT DURING CALENDAR YEAR 1967

Enter below the specified classes of billings of this establishment for calendar year 1967.

Billings for products and services (including progress billings)	Item code	Value *(Thousands of dollars)*
Manufacture and assembly	61	$
Construction and conversion	62	$
Overhaul, repair and renovation	63	$
Alteration and modification	64	$
Research and development	65	$
Other billings	66	$
Total billings for products and services	67	$
Increase or decrease in unbilled costs of work in progress	68	$
TOTAL EARNED REVENUE →	69	$

ITEM 7 COSTS DURING CALENDAR YEAR 1967

Types of costs incurred	Item code	Costs *(Thousands of dollars)*
Materials, supplies and parts used	71	$
Salaries and wages (same as item code 49, column (G))	72	$
Contractual services and other costs	73	$
TOTAL COSTS INCURRED →	79	$

ITEM 8 CHECKS TO ASSURE A COMPLETE AND ACCURATE REPORT

(Please complete this item after you have answered all items on this report.)

The Census Bureau reviews your report for omissions, inconsistencies, and unusual ratios. To problems, please make the following checks before returning your report:

a. Review this report carefully to see that no items are omitted.
b. Calculate and enter the four "reasonableness" checks (described below), then review the resulting figures.
c. Correct your report for any errors you find; explain unusual figures in "Remarks" section.

"Reasonableness" checks	Calculation required for each check	Resulting figures for 1967
(1) Average hourly wages per Wage Board employee	Item code 41, column G (Wages paid Wage Board employees) ÷ item code 59, column B (Total estimated man-hours)	$
(2) Man-days per year per Wage Board employee	Item code 59, column A (Wage Board man-days in thousands) x 1,000 ÷ item code 41, column F (Average number of Wage Board employees)	Man-days
(3) Wages and salaries per dollar of earned revenue	Item code 72, (Wages and salaries of civilian employees) ÷ item code 69 (Total earned revenue)	$

(4) Is the total earned revenue (item code 69, total) greater than total costs incurred (item code 79, total)? . . . . . ☐ Yes ☐ No *(If "No," please explain in "Remarks" section.)*

ITEM 9 REMARKS PERTAINING TO THIS REPORT

PERIOD OF REPORT

This report covers the period from _____ to _____

ITEM 10

Name of person to be contacted regarding this report	Address *(Street and number, city, State and ZIP code)*	Telephone *(Area code, number, extension)*

ITEM 11

CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of establishment	Address *(Street and number, city, State and ZIP code)*	
Signature of authorized official	Title	Date

FORM MC-D-171 (9-12-67) USCOMM-DC

PENALTIES FOR FAILURE TO REPORT — DUE DATE – APRIL 30, 1968 — Form Approved: Budget Bureau No. 41-66161

FORM MA-100 — U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS

ANNUAL SURVEY OF MANUFACTURES

(For 1967 this is the first sheet of the 1967 Census of Manufactures form)

V | IND-D | TAB 1 | IND-T 2 | AREA 3 | 4 | INFL 5 | CCS 6 | PPN 7

NOTICE – Response to this inquiry is required by law (Title 13 U. S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report refer to this Census File Number

Employer Identification Number

RETURN TO JEFFERSONVILLE CENSUS OPERATIONS OFFICE, Jeffersonville, Indiana 47130

(Please correct if mailing address has changed)

ITEM 1 Physical location and Employer Identification Number – Complete both a and b.

a. Is the address originally printed in the address box the ACTUAL PHYSICAL LOCATION of this establishment?

☐ Yes – Complete lines (3), (4), and section b.

☐ No – Complete lines (1) through (4), and section b.

(1) Number and street | City, village, or other place

(2) State | ZIP code

(3) County in which your establishment is physically located | (4) Is establishment physically located within the boundaries of the city or village? 1 ☐ Yes 2 ☐ No

NOTE – If location cannot be described by number and street give name or number of highway and approximate distance from nearest town.

b. Is the Employer Identification (E.I.) Number printed in the address box the SAME as that used for this establishment on your latest 1967 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ Yes ☐ No – If "No," enter currently assigned E.I. No. here (9 digits) _ _ – _ _ _ _ _ _ _

Be sure to read Instruction Manual before completing report. Report items 3 – 11, and 15 in **thousands** (Example: If total payroll is $215,166, enter $215.)

Complete each item, enter "0" when appropriate		a 1966	b 1967	Key
ITEM 2 Number of Employees	Number of production workers during pay period including the 12th of month: a. March			0-1
	b. May			0-2
	c. August			0-3
	d. November			0-4
	e. Sum of lines a – d →			0-5
	f. Average number (divide line e by 4, omit fractions)			0-6
	g. All other employees (pay period including March 12th)			0-7
	h. TOTAL (Sum of lines f and g) →			0-8*
ITEM 3A Payrolls ($000)	a. Production workers' wages			1-1
	b. All other salaries and wages			1-2
	c. TOTAL (Sum of lines a and b) →			1-3
ITEM 3B Suppl. labor costs not incl. in payrolls ($000)	a. Legally required expenditures, incl. social security contributions			V-8
	b. Payments for voluntary programs			V-9
	c. TOTAL (Sum of lines a and b) →			V-10
ITEM 4 Plant man-hours of production workers by quarter (000)	a. January through March			1-4
	b. April through June			1-5
	c. July through September			1-6
	d. October through December			1-7
	e. TOTAL (Sum of lines a – d) →			1-8*
ITEM 5 Cost of materials ($000) Line 5a should equal total of item 17A. Line 5c should equal total of item 17B.	a. Materials, parts, components, containers, etc., consumed			2-1
	b. Products bought and resold as such			2-2
	c. Fuels consumed			2-3
	d. Purchased electricity			2-4
	e. Contract work done for you by others on your materials			2-5
	f. TOTAL (Sum of lines a – e) →			2-6*

Complete each item, enter "0" when appropriate			a 1966	b 1967	Key
ITEM 6 Inventories of this establishment at end of year ($000)	a. Finished products	3-1			3-5
	b. Work-in-process	3-2			3-6
	c. Materials, supplies, fuels, etc.	3-3			3-7
	d. TOTAL (Sum of lines a – c)	3-4			3-8*
ITEM 7 Capital expenditures during year ($000) See also item 15, page 2	a. New structures and additions to this plant (exclude land)				4-1
	b. New machinery and equipment				4-2
	c. Used plant and equipment				4-3
	d. TOTAL (Sum of lines a – c)				4-4
ITEM 8 Quantity of electricity (Thousands of KWH)	a. Purchased electricity (cost is reported in 5d)				4-5
	b. Generated electricity (gross less generating station use)				4-6
	c. Electricity sold or transferred to other establishments				4-7
ITEM 10 Gross book value fixed assets (original cost, end of year) ($000)	a. Buildings and other structures (exclude land)				5-2
	b. Machinery and equipment				5-3
	c. TOTAL → (Sum of lines a and b)				5-4
ITEM 11 Rental payments See manual ($000)	a. Buildings and other structures (exclude land)				5-5
	b. Machinery and equipment				5-6
	c. TOTAL → (Sum of lines a and b)				5-7*

ITEM 9 – Quantity and value of products shipped and other receipts ($000)

The data reported in this item should be consistent with those given in item 18 for each product class (5-digit code) and for total shipments

Product classes of this establishment. If printed descriptions are incorrect, please revise. Describe all additional products. If more lines are needed, use item 9 (Continued), page 2 (a)	Product class code (See Manual) (b) 6-1	Unit of quantity (c)	1966 Quantity (d)	1966 Value ($000) (e)	1967 Quantity (f) 6-2	1967 Value ($000) (g) 6-3*
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
j. Enter TOTAL from page 2, item 9 (Continued), line e →						
k. Receipts for work or services you performed for others on their materials (Describe)	930008					
l. Miscellaneous receipts (repair work, installation, sales of scrap, etc. (Describe)	999805					
m. Sales of products bought and resold without further manufacture, processing, or assembly (Report cost in item 5b.)	999896					
n. TOTAL (Sum of lines a - m) →	770008					
1 2 3 4			1 2 3 4 X-4		1 2 3 4 X-5*	

Please continue on page 2

Form MA-100--Continued

ITEM 9 — Continued
Quantity and value of products shipped and other receipts ($000)

Additional products of this establishment (Describe) (a)	Product class code (See Manual) (b) 6-1	Unit of quantity (c)	1966 Quantity (d)	1966 Value ($000) (e)	1967 Quantity (f) 6-2	1967 Value ($000) (g) 6-3 *
a.						
b.						
c.						
d.						
e. TOTAL (Transfer to page 1, item 9, line j) ⟶						

ITEM 12
Legal form of organization at end of 1967

Legal form of organization of the company which operates this establishment — (X) appropriate box — X-1

1 ☐ Individual proprietor
2 ☐ Partnership
0 ☐ Corporation — (Do not mark if any form of cooperative association)
8 ☐ Co-op (Cooperative association), corporate and noncorporate
9 ☐ Other — (Specify) _____

ITEM 13
Changes in operator, operations or company affiliation

a. Changes in operator or operations of this establishment during 1967 — X-2

(1) ☐ No change in operator or operations
(2) ☐ Reorganized, (Describe in "Remarks," e.g., partnership change, or change in corporate status)
(3) ☐ Started new business — Date _____

Discontinued operations — Date _____
(4) ☐ Plant dismantled, abandoned, or destroyed
(5) ☐ Plant idle or inactive but still owned

(6) ☐ Establishment purchased or leased from another company (Enter below: Name, address, and Employer Identification Number (if known) of former owner or operator and date of purchase or lease.)

(7) ☐ Establishment sold or leased to another company (Enter below: Name, address, and Employer Identification Number (if known) of new owner or operator and date of sale or lease.)

Name of company	Address (Number, street, city, State, ZIP code)	E.I. Number (9 digits) / Date

(8) If establishment was purchased, indicate whether the records of the predecessor company were also acquired — 1 ☐ Yes 2 ☐ No

(9) If establishment was sold, indicate whether successor also acquired records — 1 ☐ Yes 2 ☐ No — V-11

b. Company affiliation — Complete only if the first digit of your Census File Number (imprinted in the address box) is a zero "0." Census records indicate these companies operate only **one** establishment. — X-3 † V-12

(If "Yes" is marked for any line complete item 14)

(1) Is this company owned or controlled by any other company? ..... 1 ☐ Yes 2 ☐ No
(2) Does this company own or control any other companies? ..... 1 ☐ Yes 2 ☐ No
(3) Does this company operate more than one establishment? ..... 1 ☐ Yes 2 ☐ No
(4) Did this company have any manufacturing plants under construction but not in operation at the end of the year? . 1 ☐ Yes 2 ☐ No

ITEM 14
a. Other companies owned or establishments operated
Complete if item 13b (2), (3), or (4) is marked "Yes."

Name and address and Employer Identification Number	Activity (Describe, e.g., manufacturing, retail, wholesale etc., and chief products sold)	Payroll and sales ($000)	Are payrolls and sales included in this report? Yes	No
1 Employer Identification Number _ _ – _ _ _ _ _ _ _		Payroll $ / Sales	☐	☐
1 Employer Identification Number _ _ – _ _ _ _ _ _ _		Payroll / Sales	☐	☐
1 Employer Identification Number _ _ – _ _ _ _ _ _ _		Payroll / Sales	☐	☐

b. Parent company
Complete if item 13b (1) is marked "Yes."

2 Employer Identification Number _ _ – _ _ _ _ _ _ _				

ITEM 15
Force account capital expenditures

Of the capital expenditures for new structures and buildings reported for 1967 in item 7a, page 1, indicate the value put in place by your own labor force — V-13

1 ☐ None
2 ☐ Under $100 thousand
3 ☐ $100 thousand or more — (Specify amount) ..... $ _____ (Thousands) V-14 *

Checks to assure a complete and accurate report

The Census Bureau reviews your report for omissions, inconsistencies, and unusual ratios. To save you future correspondence about these problems, please make the following checks before returning your report: (1) Review the report carefully to see that no items are omitted (if they are being covered); (2) Calculate and enter figures for the four "reasonableness" checks below, and review the results; (3) Correct your report for any errors you find; explain unusual figures in "Remarks."

"Reasonableness" checks	Calculation required for each check	Figures for 1967
a. Average hourly wages per production worker	Item 3Aa (Production workers' wages) ÷ item 4c (Total man-hours)	
b. Hours worked per year per production worker	Item 4e (Total man-hours) × 1000 ÷ item 2f (Average number of production workers)	hrs.
c. Salaries and wages per dollar of shipments	Item 3Ac (Total payroll) ÷ item 9 (Total value of shipments)	¢
d. Materials cost per dollar of shipments	Item 5f (Total materials cost) ÷ item 9 (Total value of shipments)	¢

e. Is the total for Value of Shipments (item 9) greater than the sum for Payroll (item 3Ac) plus total Cost of Materials, etc. (item 5f) ☐ Yes ☐ No — Explain in "Remarks."

f. Do the figures in item 9 agree with those reported in item 18 for each 5-digit product class and for Total Value of Shipments ☐ Yes ☐ No — Explain in "Remarks."

Remarks

FORM MA-100

Please continue on page 3

DUE DATE: APRIL 30, 1968

Budget Bureau No. 41-R1524; Approval Expires December 31, 1972

FORM MA-101(Rev.) (11-2-67)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

EXPENDITURES FOR PLANT AND EQUIPMENT DURING 1967 FOR MANUFACTURING ESTABLISHMENTS UNDER CONSTRUCTION

Annual Survey of Manufactures
(1967 Census of Manufacturers)

Please read instructions on reverse side before completing

(Please correct if name or address has changed)

RETURN TO Jeffersonville Census Operations Office
Jeffersonville, Indiana 47130

NOTE: The industry totals compiled from data filed on this form will be published by the Bureau of the Census in the 1967 Census of Manufactures series as soon as possible after all reports are received.

(PLEASE RETURN THIS COPY)

ITEM 1 Did your company have ANY manufacturing establishments under construction but not in operation as of December 31, 1967? ☐ Yes – *If "Yes," please complete items 2, 3, 4, and 5* ☐ No – *If "No," complete items 4 and 5 only*

ITEM 2 Manufacturing establishments under construction or renovation but not in operation during 1967

(a)

(b)

IMPORTANT–Figures should be rounded to thousands. *Please be careful to enter your figures in the correct columns.*

EXAMPLE – If amount is $1,125,628.28, report as → $ 1 | 126 | XX

Item	Millions	Thousands	Dollars	(c) FOR CENSUS USE
New plants and structures *(Exclude land)*			XX	1 – ID
New machinery and equipment			XX	2 – TAB
Used plant and used equipment			XX	3 – IND
TOTAL →			XX	4 – AREA
				5 – INFL
				6 – S

Name

Address *(Number and street – give actual physical location not mailing address)*

City | County | State and ZIP code

Principal products to be made or activities to be conducted at this establishment

---

Name

Address *(Number and street – give actual physical location not mailing address)*

City | County | State and ZIP code

Principal products to be made or activities to be conducted at this establishment

Item	Millions	Thousands	Dollars	(c) FOR CENSUS USE
New plants and structures *(Exclude land)*			XX	1 – ID
New machinery and equipment			XX	2 – TAB
Used plant and used equipment			XX	3 – IND
TOTAL →			XX	4 – AREA
				5 – INFL
				6 – S

Name

Address *(Number and street – give actual physical location not mailing address)*

City | County | State and ZIP code

Principal products to be made or activities to be conducted at this establishment

---

Name

Address *(Number and street – give actual physical location not mailing address)*

City | County | State and ZIP code

Principal products to be made or activities to be conducted at this establishment

Item	Millions	Thousands	Dollars	(c) FOR CENSUS USE
New plants and structures *(Exclude land)*			XX	1 – ID
New machinery and equipment			XX	2 – TAB
Used plant and used equipment			XX	3 – IND
TOTAL →			XX	4 – AREA
				5 – INFL
				6 – S

ITEM 3 Have any of the capital expenditures reported above been included on Form MA-100 for any of your establishments in operation during 1967? ☐ Yes – *If "Yes," please explain below* ☐ No

ITEM 4

Name of person to contact regarding this report	Address *(Number, street, city, State, ZIP code)*	Telephone: Area code	Number	Extension

ITEM 5 **CERTIFICATION** – This report is substantially accurate and covers all capital expenditures made by this company for manufacturing facilities (except capital expenditures reported in item 7 of Form(s) MA-100, Annual Survey of Manufactures, prepared for each of its operating manufacturing establishments).

Period covered From	To	Signature of authorized person	Title	Date

If additional space is needed, use a separate sheet and identify each item

USCOMM-DC

EXPENDITURES FOR PLANT AND EQUIPMENT DURING 1967 FOR MANUFACTURING ESTABLISHMENTS UNDER CONSTRUCTION

ANNUAL SURVEY OF MANUFACTURES (1967 CENSUS OF MANUFACTURES)

INSTRUCTIONS

The information reported on this form should be for manufacturing establishments under construction or renovation and **not in operation** during the calendar year 1967. Expenditures for any plant in operation (those which had employees, inventories, or made shipments) during the calendar year should be reported on the Annual Survey of Manufactures form(s) MA-100, and they should not be duplicated in this report. The sum of the figures shown in column (b) of item 2 of this report and in item 7 of form(s) MA-100 should account for all capital expenditures (exclusive of those for land) made by this company and its subsidiaries and affiliates during the calendar year 1967 for manufacturing facilities in the United States.

Report expenditures by this company, its subsidiaries, and affiliates during the year, for construction and equipping **new manufacturing establishments, or for renovating existing manufacturing establishments,** that were not actually in operation during the year.

Expenditures refer to all costs actually incurred **during the calendar year 1967,** which are chargeable to fixed assets accounts, and are of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, construction, and major alteration of buildings, and other fixed plants and structures (whether on contract or by your own forces) and the acquisition of machinery and equipment. **Expenditures are equal to construction and other additions to fixed assets completed during 1967, plus construction-in-progress at the end of 1967, minus construction-in-progress at the beginning of 1967.**

Do not include any expenditures on these projects actually made prior to or after the calendar year. For example, if construction of a new plant is begun before and is completed after 1967, only those costs chargeable to fixed assets accounts which were actually incurred during the calendar year should be reported. If your records do not show the exact information needed, please make careful estimates.

Column (a) – Principal products to be made or activities to be conducted at this establishment – Describe briefly the kind of business that will be conducted at the establishment. List the principal types of products that will be produced.

Column (b) – New plants and structures – Report total expenditures during the calendar year for new construction and major alterations of buildings, including all new elevators, cranes, heating and ventilation equipment, essentially a part of the buildings; other fixed structures (such as blast furnaces, brick kilns, fractionating towers, shipways, and similar types of structures); and site improvements (such as roads, docks, tracks, parking lots, fences, utilities, etc.). Exclude expenditures for land.

New machinery and equipment – Report total expenditures during the calendar year for machinery and equipment acquired in new condition for use in production, and other purposes in plants under construction or renovation. Examples are motors, lathes, punch presses, automobiles, trucks, office machinery and equipment, furniture, cafeteria facilities, etc.

Used plant and used equipment – Report total expenditures during the calendar year for acquisition of old or existing plant and second-hand equipment from others, including the U.S. Government, for use in establishments under construction.

If you have any questions regarding form MA-101, please communicate with the Jeffersonville Census Operations Office, Jeffersonville, Indiana 47130. Please complete this report and return by April 30, 1968, in the enclosed envelope, which requires no postage. Your cooperation will be greatly appreciated.

FORM MA-101 (REV.) (11-2-67) USCOMM-DC

PENALTY FOR FAILURE TO REPORT — DUE DATE: APRIL 30, 1968 — Form Approved: Budget Bureau No. 41-S67015

FORM CB-51J-1 (5110)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 CENSUS OF BUSINESS

MANUFACTURERS' SALES BRANCHES AND SALES OFFICES

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES

NOTICE—Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report, please refer to this Census File Number

Employer Identification No.

CB-51J-1 (5110)

GENERAL INSTRUCTIONS

Please complete and return this form in the envelope provided.

A separate report is required on this form for each sales branch and sales office operated during 1967. Each sales office without stock should be reported separately as well as each sales branch carrying stocks of merchandise from which deliveries are made to customers. Sales branches and sales offices located at plants or administrative offices should be reported on this form where separate records are available, or if substantially accurate reports can be prepared. Employment, payroll, inventories, and operating expenses reported here should not be included in manufacturer's plant reports (MC series). Sales, however, will to some extent duplicate shipments on your plant reports.

This report should cover only the establishment identified in the address block.

This report should cover the calendar year 1967 or, if records are maintained on a fiscal year basis, the report should cover the fiscal year which includes at least 10 months of 1967.

If book figures are not available, enter your best estimates.

If unusual circumstances should cause an undue burden in filing by the due date, or if you have any questions, please write to the **Jeffersonville Census Operations Office, Jeffersonville, Indiana 47130.**

1. NAME AND PHYSICAL LOCATION

a. Is the name shown in the label the name by which this establishment is known to the public?

☐ Yes ☐ No (If "No," enter trade name above the label.)

b. Is the address in the label—

1. ☐ The mail address of your establishment but **not** the actual physical location.
2. ☐ The mail address of your establishment (including number and street) which also is its actual physical location.
3. ☐ Neither of the above (e.g. accountant's office).

(NOTE: If you marked box 1 or 3, **or** number and street are not shown in the label, complete **c, d,** and **e** below. If you marked box 2, complete **d** and **e** below.)

c. Enter following physical location information

Number and street	City, village, or other place
State	ZIP code

(NOTE: If location cannot be described by number and street give name or number of highway and approximate distance from nearest town.)

d. Enter name of county in which your establishment is located..... _____

e. Is your establishment physically located within the boundaries of the city, village, or other place specified in the label or in "c"?

1 ☐ Yes 2 ☐ No

2. EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification (EI) Number printed in the address label the SAME as that used for this establishment on your latest 1967 Employer's Quarterly Federal Tax Return, Treasury Form 941?

☐ Yes ☐ No (If "No," enter the currently assigned EI Number here (9 digits)) → ___ - ___ ___ ___ ___ ___ ___

3. LEGAL FORM OF ORGANIZATION OF COMPANY OPERATING THIS ESTABLISHMENT — X-1

1 ☐ Individual proprietor
2 ☐ Partnership
0 ☐ Corporation (Do **not** mark if any form of cooperative association)
8 ☐ Co-op (cooperative association), corporate or noncorporate
9 ☐ Other (Specify)_____

4. PERIOD OPERATED IN 1967 — X-2

a. Was this establishment in business at the end of 1967?..... 1 ☐ Yes 2 ☐ No

(NOTE: For establishments which were inactive during December 1967 due to seasonal or part-time operations, answer "Yes," unless the establishment was not owned at the end of the year.)

b. How many months during 1967 did you own this establishment?..... Months — X-3

5. TOTAL SALES IN 1967

Line a—Total net sales after deducting returns, allowances, and discounts, but include excise taxes and sales taxes. Include all company sales credited to the sales branch or sales office even though billings may be made from a central or district office and shipments made from a plant or central warehouse. Also include, at wholesale prices, sales or transfers to any retail stores you may own. Include any receipts from services rendered customers, but do not include any receipts derived from sources other than customers.

Line b—Approximate percentage of sales, (item 5a), if any, accounted for by goods produced by your company, your parent company or companies corporately affiliated with your company.

Line c—Approximate percentage of 1967 sales (item 5a), if any, made by this establishment to household consumers, individual users, and farmers.

Line d—Approximate percentage, if any, of your 1967 sales (item 5a) to construction contractors and builders of all types (general contractors, highway, street, and other heavy construction contractors; and to special trade contractors).

Line e—Report the approximate percentage of your 1967 sales to retailers of all types (retail chain organizations, independent stores, department stores, etc.).

Line f—Total receipts, if any, from work done by your employees at construction site—including the value of any goods you put in place that became a permanent part of the structure or building. Amount reported here should also be included in items 5a and 12.

	Dollars	Cents	Key
a. TOTAL SALES and other operating receipts		XX	X-4 XXX
	Percentage		
b. Products produced by this or other establishments of your company	%		X-8 ↓
c. To household consumers, individual users, and farmers	%		1-1
d. To contractors and builders	%		1-2
e. To retailers for resale	%		1-3 *
f. Did this establishment do any construction work in 1967?..... 1 ☐ Yes 2 ☐ No			X-9
	Dollars	Cents	
If "Yes," report the value of construction receipts during 1967.		XX	X-10*

6. PAYROLL AND EMPLOYMENT

Line a—Report total wages, salaries, bonuses, commissions, fees, and other remuneration paid to your employees during 1967, **before** deductions such as employees' Social Security contributions, withholding taxes, group insurance premiums, union dues, and savings bonds. INCLUDE such items as dismissal pay, vacation and sick leave pay, the cash equivalent of payment in kind (such as goods, lodging, food, and clothing). INCLUDE salaries of officers, if a corporation. DO NOT include compensation or payments to, or withdrawals by, proprietors or partners of an unincorporated business.

Line b—Report all employees on the payroll in the pay period including March 12, 1967. INCLUDE all those on paid sick leave, paid holidays, and paid vacations. INCLUDE salaried officers and executives, if a corporation. DO NOT INCLUDE proprietors and partners, if an unincorporated business. On this census report show the number of employees of this establishment.

	Dollars	Cents	Key
a. Total ANNUAL payroll in 1967 before deductions		XX	2-1
b. Number of paid employees for the pay period including March 12, 1967	Number		2-2
	Dollars	Cents	
c. Payroll for the FIRST QUARTER of 1967		XX	2-3 →

7. EMPLOYMENT BY PRINCIPAL ACTIVITY

Distribute here the employees reported in item 6 according to their principal activity during the workweek ended nearest March 12, 1967. Each employee should be counted only once, according to his or her principal activity.

Selling employees—All employees primarily engaged in selling merchandise or services (traveling salesmen, house or telephone salesmen, etc.).

Office, clerical, warehouse employees—Employees primarily engaged in office, clerical, and warehouse work for this establishment (see instruction for central administration).

Central administration—Employees primarily engaged in performing various management, accounting, clerical, warehousing, etc. services for other establishments of your company.

	Approximate number of employees	Key
a. Selling employees		2-7
b. Office, clerical, and warehousing employees servicing this establishment		2-8
c. Central administration, storage, etc.		2-9
d. Manufacturing (processing merchandise)		2-10
e. Other (Describe)		2-11 *
f. TOTAL (Should equal item **6b**) →		

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8. OPERATING EXPENSES AND INVENTORIES

Line a—Include, in addition to other operating expenses, the payroll of this establishment and the pro rata share of any general office expense. Do not include the cost of merchandise. Do not include income taxes and excise taxes.

Line b—Report inventories of goods for sale at cost value rather than sale price. Include goods owned by you and consigned to others, but not goods of others in your possession. Report inventories as of the date specified, or nearest inventory date.

	Dollars	Cents	Key
a. Total 1967 operating expenses, including payroll		XX	2-4
b. Merchandise inventories, at cost			
(1) December 31, 1967		XX	2-5
(2) December 31, 1966		XX	2-6

9. WAREHOUSE, STOCKROOM, AND OTHER INVENTORY STORAGE SPACE, DECEMBER 31, 1967

Lines (1) and (2)—Exclude floor space occupied by interior walls, permanent aisles, elevator shafts, stairways, offices, receiving and shipping platforms, etc.

Line b—If your company, your parent company, or a company corporately affiliated with your company, owns the building (or portion of the building) in which your merchandise is warehoused and does not lease space, mark the first box. If it leases space only, mark the second box. However, if it owns a part of the warehouse space and also leases space, mark the third box.

Line c—Mark the year or period in which the warehouse (or principal building, if more than one) was built.

a. Occupiable warehouse floor space (under roof)—occupied and unoccupied—of this establishment	Square feet	Key
(1) In single story building		3-1
(2) In multiple-story building		3-2
(3) **TOTAL FLOOR SPACE (Sum of lines (1) and (2))** →		3-3

b. Mark the appropriate box — Key 3-4

1 ☐ We own the building

2 ☐ We lease the building

3 ☐ We own a building AND also lease space

c. Mark the appropriate box — Key 3-5

1 ☐ Completed in 1966–67	7 ☐ 1930–39
2 ☐ 1960–65	8 ☐ 1920–29
3 ☐ 1955–59	9 ☐ 1910–19
4 ☐ 1950–54	0 ☐ Prior to 1910
5 ☐ 1945–49	X ☐ Prior to 1940 but age unknown
6 ☐ 1940–44	

10. MATERIALS HANDLING EQUIPMENT USED, MID-DECEMBER 1967

a. Did you operate the following equipment in this place of business, mid-December 1967?	3-6X Yes	3-6X No
Conveyor	1	2
Towline	1	2
Overhead track	1	2
Crane	1	2
Elevator	1	2

b. Enter the number of each of the following used in this establishment, mid-December 1967	Number	Key
(1) Fork-lift trucks		3-8
(2) Other motorized materials handling equipment		3-9

11. TRUCKS, TRUCK TRACTORS, AND TRUCK TRAILERS OPERATED, MID-DECEMBER 1967—Include all street and highway-type vehicles owned or leased without drivers. Exclude vehicles held for sale and any vehicles leased by you to others.

a. 1 ☐ None—Mark if this establishment operated none of the vehicles described below. — Key 3-10*

b. Number and type of vehicles operated mid-December 1967

4	4-1	4-2	4-3	4-4*
Type	Code	Number of vehicles: Total	Owned	Leased (without drivers)
Trucks, by body type				
(1) Closed top vans	1			
(2) Open top vans, platform, stake, other open top trucks	2			
(3) Pick-up, standard panel, or other light delivery trucks	3			
(4) Other over-the-road trucks	4			
Truck tractors and trailers				
(1) Truck tractors	8			
(2) Semitrailers and full trailers	9			

12. ANALYSIS OF SALES BY PRODUCTS OR COMMODITY LINES – Enter below, the total dollar sales of each product sold by this branch or office. Products are listed by classification codes which are similar (at a less detailed level) to those shown on the reporting forms for your manufacturing plants. Report value of products bought and sold as well as value of products produced by your company and sold by this establishment. If figures based on records are not available, give best possible approximations.

V Description	Code	Estimated sales during 1967 Dollars	Cents	Census Use Only
Electrical Industrial Equipment				
1. Equipment for testing electrical, radio, communications circuits, motors	36112		XX	701
2. Other electrical measuring instruments	36111, 36113		XX	702
3. Power, distribution transformers	36122		XX	703
4. Other transformers	36121, 36123		XX	704
5. Switch gear ducts, relays	36131, 36133, 36134, 36136, 36137		XX	705
6. Circuit breakers	36132, 36135		XX	706
7. Fractional horsepower motors	36211		XX	707
8. Integral horsepower motors, generators	36212		XX	708
9. Motor generator sets, other rotating equipment	36215		XX	711
10. Other motors, generators	36213, 36214		XX	712
11. Parts, supplies for motors, generators	36216		XX	713
12. General industrial power circuit devices, controls	36220		XX	714
13. Welding appartus	36230-36233		XX	715
14. Carbon and graphite products	36240		XX	716
15. Electric industrial goods, n.e.c.	36290-36293		XX	717
Electrical Household Equipment				
16. Household cooking equipment	36310-36312		XX	718
17. Household refrigerators, home, farm freezers	36320, 36322		XX	719
Electrical Household Equipment – Continued				
18. Household laundry equipment	36330-36332		XX	720
19. Electric housewares, fans, parts	36340-36344		XX	722
20. Household vacuum cleaners	36350		XX	723
21. Sewing machines	36360		XX	724
22. Household appliances, n.e.c.	36390-36393		XX	725
Lighting Fixtures, Current Carrying Devices				
23. Electric lamps	36410		XX	726
24. Residential type electric fixtures	36421, 36427		XX	727
25. Commercial, institutional, industrial type electrical fixtures	36422, 36423		XX	728
26. Vehicular lighting equipment electrical	36424		XX	731
27. Other electric and nonelectric lighting equipment	36425, 36426		XX	732
28. Current carrying wiring devices	36430		XX	733
29. Noncurrent carrying devices	36440-36443		XX	734
Radio, TV, Commercial Equipment				
30. Household, automobile radios, radio-phonograph combinations	36511		XX	735
31. Household TV receivers, including TV combinations	36512		XX	736
32. Recorders, phonographs, radio, TV chassis	36514		XX	737
33. Speaker systems, microphones, home commercial sound equipment	36515		XX	738
34. Phonograph records	36520		XX	741

FORM CB-51J-1

100 027

FORM CB-51J-1 (5110)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

File No.

1967 CENSUS OF BUSINESS

MANUFACTURERS' SALES BRANCHES AND SALES OFFICES

ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES—Continued

Name of establishment (Same as address)

12. ANALYSIS OF SALES BY PRODUCTS OR COMMODITY LINES—Continued

Enter below the total dollar sales of each product sold by this branch or office. Products are listed by classification codes which are similar (at a less detailed level) to those shown on the reporting forms for your manufacturing plants. Report value of products bought and sold as well as value of products produced by your company and sold by this establishment. If figures based on records are not available, give best possible approximations.

V	Description	Code	Estimated sales during 1967 Dollars	Estimated sales during 1967 Cents	Census Use Only
	Radio, TV Commercial Equipment—Continued				
	35. Telephone switching, switchboard equipment	36611		XX	742
	36. Other telephone, telegraph (wire), apparatus, equipment, components	36612		XX	743
	37. Radio, TV communications equipment	36620-36629		XX	744
	Other Electric Equipment				
	38. Electron tubes, receiving types	36710		XX	745
	39. Cathode ray picture tubes	36720		XX	746
	40. Transmitting industrial, special purpose electron tubes (except X-ray)	36730		XX	747
	41. Transistors, rectifiers, semiconductor devices	36742, 36743, 36749		XX	748
	42. Electronic components, n.e.c.	36741 36790-36795		XX	751
	Other Electric Machinery, Equipment				
	43. Storage batteries	36910-36912		XX	752
	44. Primary batteries, dry and wet	36920		XX	753
	45. X-ray therapeutic apparatus	36930		XX	754
	46. Engine electrical equipment	36940-36946		XX	755
	47. Lamp bulb components, other electrical products	36992		XX	756
	Other Electric Machinery, Equipment—Continued				
	48. Appliance wire, cord and flexible cord sets (except those in non-ferrous wire drawing plants)	36996		XX	757
	49. Copper, copper-base alloy wire, bare tinned for electrical transmission	33572		XX	758
	50. Communication wire, cable	33574		XX	761
	51. Magnet wire	33577		XX	762
	52. Power wire, cable	33578		XX	763
	53. Other drawn, insulated nonferrous wire	33571, 33573, 33575, 33576, 33579		XX	764
	Other Products (Specify)				
	54.			XX	
	55.			XX	
	56.			XX	
	57.			XX	
	58.			XX	
	59. Receipts from services and sources other than the sale of merchandise			XX	999
	60. **TOTAL SALES IN 1967 (Sum of lines 1-59 should be the same as item 5a.)** →			XX	0

This space may be used for any explanations that may be helpful in understanding your report.

13.	Name of person to contact regarding this report	Address (Number, street, city, State, ZIP code)	Telephone No. Area code	Number	Extension
CERTIFICATION	This report is substantially accurate and covers the period from _____ to _____				
	Signature of authorized person	Title	Date		

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Appendix E

AUTHORITY FOR CENSUS: TITLE 13, UNITED STATES CODE

(Codification of August 1954 amended by Acts of August 1957, September 1960, June and October 1962, and August 1964)

Collection and publication: Five-year periods (131)

The Secretary shall take, compile, and publish censuses of manufactures, of mineral industries, and of other businesses...in the year 1964, then in the year 1968, and every fifth year thereafter, and each such census shall relate the year immediately preceding the taking thereof.

Geographic scope of censuses (191a)

Each of the censuses authorized by this chapter (other than censuses of population) shall include each State, the District of Columbia, Alaska, Hawaii, the Virgin Islands, Guam, and the Commonwealth of Puerto Rico, and as may be determined by the Secretary, such other possessions and areas over which the United States exercises jurisdiction, control, or sovereignty. Censuses of population shall include all geographic areas referred to in the preceding sentence. Inclusion of other areas over which the United States exercises jurisdiction or control shall be subject to the concurrence of the Secretary of State.

Failure to answer questions affecting companies, businesses, religious bodies, and other organizations: False answers (224)

Whoever, being the owner, official, agent, person in charge, or assistant to the person in charge, of any company, business, institution, establishment, religious body, or organization of any nature whatsoever, neglects or refuses, when requested by the Secretary or other authorized officer or employee of the Department of Commerce or bureau or agency thereof, whether such request be made by registered mail, by certified mail, by telegraph, by visiting representative, or by one or more of these methods, to answer completely and correctly to the best of his knowledge all questions relating to his company, business, institution, establishment, religious body, or other organization, or to records or statistics in his official custody, contained on any census or other schedule prepared and submitted to him under the authority of this title, shall be fined not more than $500 or imprisoned not more than sixty days, or both; and if he willfully gives a false answer to any such question, he shall be fined not more than $10,000 or imprisoned not more than one year, or both.

Appendix F

STANDARD METROPOLITAN STATISTICAL AREAS

(Area titles and definitions of the 2 Standard Consolidated Areas and the 230 Standard Metropolitan Statistical Areas in the United States established by the Bureau of the Budget as of January 15, 1968)

Chicago, Ill.–Northwestern Indiana Standard Consolidated Area	Consists of Chicago, Ill., and Gary–Hammond–East Chicago, Ind., Standard Metropolitan Statistical Areas
New York, N.Y.–Northeastern New Jersey Standard Consolidated Area	Consists of the following Standard Metropolitan Statistical Areas: New York, N.Y.; Newark, N.J.; Jersey City, N.J.; Paterson–Clifton–Passaic, N.J.; and of Middlesex and Somerset Counties, N.J.
Abilene, Tex.	Consists of Jones and Taylor Counties, Tex.
Akron, Ohio	Consists of Portage and Summit Counties, Ohio
Albany, Ga.	Coextensive with Dougherty County, Ga.
Albany–Schenectady–Troy, N.Y.	Consists of Albany, Rensselaer, Saratoga, and Schenectady Counties, N.Y.
Albuquerque, N. Mex.	Coextensive with Bernalillo County, N. Mex.
Allentown–Bethlehem–Easton, Pa.–N.J.	Consists of Lehigh and Northampton Counties, Pa.; and Warren County, N.J.
Altoona, Pa.	Coextensive with Blair County, Pa.
Amarillo, Tex.	Consists of Potter and Randall Counties, Tex.
Anaheim–Santa Ana–Garden Grove, Calif.	Coextensive with Orange County, Calif.
Anderson, Ind.	Coextensive with Madison County, Ind.
Ann Arbor, Mich.	Coextensive with Washtenaw County, Mich.
Asheville, N.C.	Coextensive with Buncombe County, N.C.
Atlanta, Ga.	Consists of Clayton, Cobb, De Kalb, Fulton, and Gwinnett Counties, Ga.
Atlantic City, N.J.	Coextensive with Atlantic County, N.J.
Augusta, Ga.–S.C.	Consists of Richmond County, Ga., and Aiken County, S. C.
Austin, Tex.	Coextensive with Travis County, Tex.
Bakersfield, Calif.	Coextensive with Kern County, Calif.
Baltimore, Md.	Consists of Baltimore city and Anne Arundel, Baltimore, Carroll, Harford and Howard Counties, Md.
Baton Rouge, La.	Coextensive with East Baton Rouge Parish, La.
Bay City, Mich.	Coextensive with Bay County, Mich.
Beaumont–Port Arthur–Orange, Tex.	Consists of Jefferson and Orange Counties, Tex.
Billings, Mont.	Coextensive with Yellowstone County, Mont.
Biloxi–Gulfport, Miss.	Coextensive with Harrison County, Miss.
Binghamton, N.Y.-Pa.	Consists of Broome and Tioga Counties, N.Y., and Susquehanna County, Pa.
Birmingham, Ala.	Consists of Jefferson, Shelby, and Walker Counties, Ala.
Bloomington–Normal, Ill.	Coextensive with McLean County, Ill.
Boise City, Idaho	Coextensive with Ada County, Idaho
Boston, Mass.	Consists of all of Suffolk County; Beverly, Lynn, Peabody, and Salem cities, and Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Cambridge, Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Arlington, Ashland, Bedford, Belmont, Burlington, Concord, Framingham, Lexington, Lincoln, Natick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Quincy city, and Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Holbrook, Medfield, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Walpole, Wellesley, Westwood, and Weymouth towns in Norfolk County; and Duxbury, Hanover, Hingham, Hull, Marshfield, Norwell, Pembroke, Rockland, and Scituate towns in Plymouth County, Mass.
Bridgeport, Conn.	Consists of Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; and Milford city in New Haven County, Conn.
Brockton, Mass.	Consists of Easton town in Bristol County; Avon and Stoughton towns in Norfolk County; and Brockton city, and Abington, Bridgewater, East Bridgewater, Hanson, West Bridgewater, and Whitman towns in Plymouth County, Mass.
Brownsville–Harlingen–San Benito, Tex.	Coextensive with Cameron County, Tex.
Buffalo, N.Y.	Consists of Erie and Niagara Counties, N.Y.
Canton, Ohio	Coextensive with Stark County, Ohio
Cedar Rapids, Iowa	Coextensive with Linn County, Iowa
Champaign–Urbana, Ill.	Coextensive with Champaign County, Ill.
Charleston, S.C.	Consists of Berkeley and Charleston Counties, S.C.

STANDARD METROPOLITAN STATISTICAL AREAS—Continued

Charleston, W. Va.	Coextensive with Kanawha County, W. Va.
Charlotte, N.C.	Consists of Mecklenburg and Union Counties, N.C.
Chattanooga, Tenn.–Ga.	Consists of Hamilton County, Tenn., and Walker County, Ga.
Chicago, Ill.	Consists of Cook, Du Page, Kane, Lake, McHenry, and Will Counties, Ill.
Cincinnati, Ohio–Ky.–Ind.	Consists of Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Ky.; and Dearborn County, Ind.
Cleveland, Ohio	Consists of Cuyahoga, Geauga, Lake, and Medina Counties, Ohio
Colorado Springs, Colo.	Coextensive with El Paso County, Colo.
Columbia, S.C.	Consists of Lexington and Richland Counties, S.C.
Columbus, Ga.–Ala.	Consists of Chattahoochee and Muscogee Counties, Ga., and Russell County, Ala.
Columbus, Ohio	Consists of Delaware, Franklin, and Pickaway Counties, Ohio
Corpus Christi, Tex.	Consists of Nueces and San Patricio Counties, Tex.
Dallas, Tex.	Consists of Collin, Dallas, Denton, Ellis, Kaufman, and Rockwall Counties, Tex.
Davenport–Rock Island–Moline, Iowa–Ill.	Consists of Scott County, Iowa, and Henry and Rock Island Counties, Ill.
Dayton, Ohio	Consists of Greene, Miami, Montgomery, and Preble Counties, Ohio
Decatur, Ill.	Coextensive with Macon County, Ill.
Denver, Colo.	Consists of Adams, Arapahoe, Boulder, Denver, and Jefferson Counties, Colo.
Des Moines, Iowa	Coextensive with Polk County, Iowa
Detroit, Mich.	Consists of Macomb, Oakland, and Wayne Counties, Mich.
Dubuque, Iowa	Coextensive with Dubuque County, Iowa
Duluth–Superior, Minn.–Wis.	Consists of St. Louis County, Minn., and Douglas County, Wis.
Durham, N.C.	Consists of Durham and Orange Counties, N.C.
El Paso, Tex.	Coextensive with El Paso County, Tex.
Erie, Pa.	Coextensive with Erie County, Pa.
Eugene, Oreg.	Coextensive with Lane County, Oreg.
Evansville, Ind.–Ky.	Consists of Vanderburgh and Warrick Counties, Ind., and Henderson County, Ky.
Fall River, Mass.–R.I.	Consists of Fall River city, and Somerset, Swansea, and Westport towns in Bristol County, Mass.; and Tiverton town in Newport County, R.I.
Fargo–Moorhead, N. Dak.–Minn.	Consists of Cass County, N. Dak., and Clay County, Minn.
Fayetteville, N.C.	Coextensive with Cumberland County, N.C.
Fitchburg–Leominster, Mass.	Consists of Shirley and Townsend towns in Middlesex County; and Fitchburg and Leominster cities, and Lunenburg and Westminster towns in Worcester County, Mass.
Flint, Mich.	Consists of Genesee and Lapeer Counties, Mich.
Fort Lauderdale–Hollywood, Fla.	Coextensive with Broward County, Fla.
Fort Smith, Ark.–Okla.	Consists of Crawford and Sebastian Counties, Ark.; and LeFlore and Sequoyah Counties, Okla.
Fort Wayne, Ind.	Coextensive with Allen County, Ind.
Fort Worth, Tex.	Consists of Johnson and Tarrant Counties, Tex.
Fresno, Calif.	Coextensive with Fresno County, Calif.
Gadsden, Ala.	Coextensive with Etowah County, Ala.
Galveston–Texas City, Tex.	Coextensive with Galveston County, Tex.
Gary–Hammond–East Chicago, Ind.	Consists of Lake and Porter Counties, Ind.
Grand Rapids, Mich.	Consists of Kent and Ottawa Counties, Mich.
Great Falls, Mont.	Coextensive with Cascade County, Mont.
Green Bay, Wis.	Coextensive with Brown County, Wis.
Greensboro–Winston–Salem–High Point, N.C.	Consists of Forsyth, Guilford, Randolph, and Yadkin Counties, N.C.
Greenville, S.C.	Consists of Greenville and Pickens Counties, S.C.
Hamilton–Middletown, Ohio	Coextensive with Butler County, Ohio
Harrisburg, Pa.	Consists of Cumberland, Dauphin, and Perry Counties, Pa.
Hartford, Conn.	Consists of Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Cromwell town in Middlesex County; and Andover, Bolton, Coventry, Ellington, and Vernon towns in Tolland County, Conn.
Honolulu, Hawaii	Coextensive with Honolulu County, Hawaii
Houston, Tex.	Consists of Brazoria, Fort Bend, Harris, Liberty, and Montgomery Counties, Tex.
Huntington–Ashland, W. Va.–Ky.–Ohio	Consists of Cabell and Wayne Counties, W. Va.; Boyd County, Ky.; and Lawrence County, Ohio
Huntsville, Ala.	Consists of Limestone and Madison Counties, Ala.

STANDARD METROPOLITAN STATISTICAL AREAS—Continued

Indianapolis, Ind.	Consists of Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties, Ind.
Jackson, Mich.	Coextensive with Jackson County, Mich.
Jackson, Miss.	Consists of Hinds and Rankin Counties, Miss.
Jacksonville, Fla.	Coextensive with Duval County, Fla.
Jersey City, N.J.	Coextensive with Hudson County, N.J.
Johnstown, Pa.	Consists of Cambria and Somerset Counties, Pa.
Kalamazoo, Mich.	Coextensive with Kalamazoo County, Mich.
Kansas City, Mo.–Kans.	Consists of Cass, Clay, Jackson, and Platte Counties, Mo., and Johnson and Wyandotte Counties, Kans.
Kenosha, Wis.	Coextensive with Kenosha County, Wis.
Knoxville, Tenn.	Consists of Anderson, Blount, and Knox Counties, Tenn.
Lafayette, La.	Coextensive with Lafayette Parish, La.
Lafayette–West Lafayette, Ind.	Coextensive with Tippecanoe County, Ind.
Lake Charles, La.	Coextensive with Calcasieu Parish, La.
Lancaster, Pa.	Coextensive with Lancaster County, Pa.
Lansing, Mich.	Consists of Clinton, Eaton, and Ingham Counties, Mich.
Laredo, Tex.	Coextensive with Webb County, Tex.
Las Vegas, Nev.	Coextensive with Clark County, Nev.
Lawrence–Haverhill, Mass.–N.H.	Consists of Lawrence and Haverhill cities, and Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, and West Newbury towns in Essex County, Mass.; and Newton, Plaistow, and Salem towns in Rockingham County, N.H.
Lawton, Okla.	Coextensive with Comanche County, Okla.
Lewiston–Auburn, Maine	Consists of Auburn and Lewiston cities, and Lisbon town in Androscoggin County, Maine
Lexington, Ky.	Coextensive with Fayette County, Ky.
Lima, Ohio	Consists of Allen, Putnam, and Van Wert Counties, Ohio
Lincoln, Nebr.	Coextensive with Lancaster County, Nebr.
Little Rock–North Little Rock, Ark.	Consists of Pulaski and Saline Counties, Ark.
Lorain–Elyria, Ohio	Coextensive with Lorain County, Ohio
Los Angeles–Long Beach, Calif.	Coextensive with Los Angeles County, Calif.
Louisville, Ky.–Ind.	Consists of Jefferson County, Ky., and Clark and Floyd Counties, Ind.
Lowell, Mass.	Consists of Lowell city, and Billerica, Chelmsford, Dracut, Tewksbury, Tyngsborough, and Westford towns in Middlesex County, Mass.
Lubbock, Tex.	Coextensive with Lubbock County, Tex.
Lynchburg, Va.	Consists of Lynchburg city, and Amherst and Campbell Counties, Va.
Macon, Ga.	Consists of Bibb and Houston Counties, Ga.
Madison, Wis.	Coextensive with Dane County, Wis.
Manchester, N.H.	Consists of Manchester city, and Bedford and Goffstown towns in Hillsborough County; and Hooksett town in Merrimack County, N.H.
Mansfield, Ohio	Coextensive with Richland County, Ohio
McAllen–Pharr–Edinburg, Tex.	Coextensive with Hidalgo County, Tex.
Memphis, Tenn.–Ark.	Consists of Shelby County, Tenn., and Crittenden County, Ark.
Meriden, Conn.	Coextensive with Meriden city in New Haven County, Conn.
Miami, Fla.	Coextensive with Dade County, Fla.
Midland, Tex.	Coextensive with Midland County, Tex.
Milwaukee, Wis.	Consists of Milwaukee, Ozaukee, Washington, and Waukesha Counties, Wis.
Minneapolis–St. Paul, Minn.	Consists of Anoka, Dakota, Hennepin, Ramsey, and Washington Counties, Minn.
Mobile, Ala.	Consists of Baldwin and Mobile Counties, Ala.
Monroe, La.	Coextensive with Ouachita Parish, La.
Montgomery, Ala.	Consists of Elmore and Montgomery Counties, Ala.
Muncie, Ind.	Coextensive with Delaware County, Ind.
Muskegon–Muskegon Heights, Mich.	Coextensive with Muskegon County, Mich.
Nashville, Tenn.	Consists of Davidson, Sumner, and Wilson Counties, Tenn.
New Bedford, Mass.	Consists of New Bedford city, and Acushnet, Dartmouth, and Fairhaven towns in Bristol County; and Marion and Mattapoisett towns in Plymouth County, Mass.
New Britain, Conn.	Consists of New Britain city, and Berlin, Plainville, and Southington towns in Hartford County, Conn.
New Haven, Conn.	Consists of New Haven city, and Bethany, Branford, East Haven, Guilford, Hamden, North Branford, North Haven, Orange, West Haven, and Woodbridge towns in New Haven County, Conn.
New London–Groton–Norwich, Conn.	Consists of New London and Norwich cities, and East Lyme, Griswold, Groton, Ledyard, Lisbon, Montville, Old Lyme, Preston, Sprague, Stonington, and Waterford towns in New London County, Conn.

STANDARD METROPOLITAN STATISTICAL AREAS—Continued

New Orleans, La.	Consists of Jefferson, Orleans, St. Bernard, and St. Tammany Parishes, La.
New York, N.Y.	Consists of New York City, and Nassau, Rockland, Suffolk, and Westchester Counties, N.Y.
Newark, N.J.	Consists of Essex, Morris, and Union Counties, N.J.
Newport News–Hampton, Va.	Consists of Newport News and Hampton cities, and York County, Va.
Norfolk–Portsmouth, Va.	Consists of Chesapeake, Norfolk, Portsmouth, and Virginia Beach cities, Va.
Norwalk, Conn.	Consists of Norwalk city, and Westport and Wilton towns in Fairfield County, Conn.
Odessa, Tex.	Coextensive with Ector County, Tex.
Ogden, Utah	Coextensive with Weber County, Utah
Oklahoma City, Okla.	Consists of Canadian, Cleveland, and Oklahoma Counties, Okla.
Omaha, Nebr.–Iowa	Consists of Douglas and Sarpy Counties, Nebr., and Pottawattamie County, Iowa.
Orlando, Fla.	Consists of Orange and Seminole Counties, Fla.
Oxnard–Ventura, Calif.	Coextensive with Ventura County, Calif.
Paterson–Clifton–Passaic, N.J.	Consists of Bergen and Passaic Counties, N.J.
Pensacola, Fla.	Consists of Escambia and Santa Rosa Counties, Fla.
Peoria, Ill.	Consists of Peoria, Tazewell, and Woodford Counties, Ill.
Philadelphia, Pa.–N.J.	Consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Camden, and Gloucester Counties, N.J.
Phoenix, Ariz.	Coextensive with Maricopa County, Ariz.
Pine Bluff, Ark.	Coextensive with Jefferson County, Ark.
Pittsburgh, Pa.	Consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pa.
Pittsfield, Mass.	Consists of Pittsfield city, and Dalton, Lanesborough, Lee, and Lenox towns in Berkshire County, Mass.
Portland, Maine	Consists of Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Gorham, Scarborough, and Yarmouth towns in Cumberland County, Maine
Portland, Oreg.–Wash.	Consists of Clackamas, Multnomah, and Washington Counties, Oreg., and Clark County, Wash.
Providence–Pawtucket–Warwick, R.I.–Mass.	Consists of all of Bristol County; Warwick city, and Coventry, East Greenwich, and West Warwick towns in Kent County; Jamestown town in Newport County; Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities, and Burrillville, Cumberland, Johnston, Lincoln, North Providence, North Smithfield, and Smithfield towns in Providence County; and Narragansett and North Kingstown towns in Washington County, R.I. Also, Attleboro city and North Attleborough, Rehoboth, and Seekonk towns in Bristol County, Mass.; Bellingham, Franklin, Plainville, and Wrentham towns in Norfolk County, Mass.; and Blackstone and Millville towns in Worcester County, Mass.
Provo–Orem, Utah	Coextensive with Utah County, Utah
Pueblo, Colo.	Coextensive with Pueblo County, Colo.
Racine, Wis.	Coextensive with Racine County, Wis.
Raleigh, N.C.	Coextensive with Wake County, N.C.
Reading, Pa.	Coextensive with Berks County, Pa.
Reno, Nev.	Coextensive with Washoe County, Nev.
Richmond, Va.	Consists of Richmond city, and Chesterfield, Hanover, and Henrico Counties, Va.
Roanoke, Va.	Consists of Roanoke city and Roanoke County, Va.
Rochester, N.Y.	Consists of Livingston, Monroe, Orleans, and Wayne Counties, N.Y.
Rockford, Ill.	Consists of Boone and Winnebago Counties, Ill.
Sacramento, Calif.	Consists of Placer, Sacramento, and Yolo Counties, Calif.
Saginaw, Mich.	Coextensive with Saginaw County, Mich.
St. Joseph, Mo.	Coextensive with Buchanan County, Mo.
St. Louis, Mo.–Ill.	Consists of St. Louis city, and Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo.; and Madison and St. Clair Counties, Ill.
Salem, Oreg.	Consists of Marion and Polk Counties, Oreg.
Salinas–Monterey, Calif.	Coextensive with Monterey County, Calif.
Salt Lake City, Utah	Consists of Davis and Salt Lake Counties, Utah
San Angelo, Tex.	Coextensive with Tom Green County, Tex.
San Antonio, Tex.	Consists of Bexar and Guadalupe Counties, Tex.
San Bernardino–Riverside–Ontario, Calif.	Consists of Riverside and San Bernardino Counties, Calif.
San Diego, Calif.	Coextensive with San Diego County, Calif.
San Francisco–Oakland, Calif.	Consists of Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties, Calif.

STANDARD METROPOLITAN STATISTICAL AREAS—Continued

San Jose, Calif.	Coextensive with Santa Clara County, Calif.
Santa Barbara, Calif.	Coextensive with Santa Barbara County, Calif.
Savannah, Ga.	Coextensive with Chatham County, Ga.
Scranton, Pa.	Coextensive with Lackawanna County, Pa.
Seattle–Everett, Wash.	Consists of King and Snohomish Counties, Wash.
Sherman–Denison, Tex.	Coextensive with Grayson County, Tex.
Shreveport, La.	Consists of Bossier and Caddo Parishes, La.
Sioux City, Iowa–Nebr.	Consists of Woodbury County, Iowa, and Dakota County, Nebr.
Sioux Falls, S. Dak.	Coextensive with Minnehaha County, S. Dak.
South Bend, Ind.	Consists of Marshall and St. Joseph Counties, Ind.
Spokane, Wash.	Coextensive with Spokane County, Wash.
Springfield, Ill.	Coextensive with Sangamon County, Ill.
Springfield, Mo.	Coextensive with Greene County, Mo.
Springfield, Ohio	Coextensive with Clark County, Ohio
Springfield–Chicopee–Holyoke, Mass.–Conn.	Consists of Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Palmer, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Easthampton, Granby, Hadley, and South Hadley towns in Hampshire County; and Warren town in Worcester County, Mass.; and Somers town in Tolland County, Conn.
Stamford, Conn.	Consists of Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County, Conn.
Steubenville–Weirton, Ohio–W. Va.	Consists of Jefferson County, Ohio, and Brooke and Hancock Counties, W. Va.
Stockton, Calif.	Coextensive with San Joaquin County, Calif.
Syracuse, N.Y.	Consists of Madison, Onondaga, and Oswego Counties, N.Y.
Tacoma, Wash.	Coextensive with Pierce County, Wash.
Tallahassee, Fla.	Coextensive with Leon County, Fla.
Tampa–St. Petersburg, Fla.	Consists of Hillsborough and Pinellas Counties, Fla.
Terre Haute, Ind.	Consists of Clay, Sullivan, Vermillion, and Vigo Counties, Ind.
Texarkana, Tex.–Ark.	Consists of Bowie County, Tex., and Miller County, Ark.
Toledo, Ohio–Mich.	Consists of Lucas and Wood Counties, Ohio, and Monroe County, Mich.
Topeka, Kans.	Coextensive with Shawnee County, Kans.
Trenton, N.J.	Coextensive with Mercer County, N.J.
Tucson, Ariz.	Coextensive with Pima County, Ariz.
Tulsa, Okla.	Consists of Creek, Osage, and Tulsa Counties, Okla.
Tuscaloosa, Ala.	Coextensive with Tuscaloosa County, Ala.
Tyler, Tex.	Coextensive with Smith County, Tex.
Utica–Rome, N.Y.	Consists of Herkimer and Oneida Counties, N.Y.
Vallejo–Napa, Calif.	Consists of Napa and Solano Counties, Calif.
Vineland–Millville–Bridgeton, N.J.	Coextensive with Cumberland County, N.J.
Waco, Tex.	Coextensive with McLennan County, Tex.
Washington, D.C.–Md.–Va.	Consists of Washington, D.C.; Montgomery and Prince Georges Counties, Md.; and Alexandria, Fairfax, and Falls Church cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Va.
Waterbury, Conn.	Consists of Thomaston, Watertown, and Woodbury towns in Litchfield County; and Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, and Wolcott towns in New Haven, County, Conn.
Waterloo, Iowa	Coextensive with Black Hawk County, Iowa
West Palm Beach, Fla.	Coextensive with Palm Beach County, Fla.
Wheeling, W. Va.–Ohio	Consists of Marshall and Ohio Counties, W. Va., and Belmont County, Ohio
Wichita, Kans.	Consists of Butler and Sedgwick Counties, Kans.
Wichita Falls, Tex.	Consists of Archer and Wichita Counties, Tex.
Wilkes–Barre–Hazleton, Pa.	Coextensive with Luzerne County, Pa.
Wilmington, Del.–N.J.–Md.	Consists of New Castle County, Del., Salem County, N.J., and Cecil County, Md.
Wilmington, N.C.	Consists of Brunswick and New Hanover Counties, N.C.
Worcester, Mass.	Consists of Worcester city, and Auburn, Berlin, Boylston, Brookfield, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Shrewsbury, Spencer; Sterling, Sutton, Upton, Westborough, and West Boylston towns in Worcester County, Mass.
York, Pa.	Consists of Adams and York Counties, Pa.
Youngstown–Warren, Ohio	Consists of Mahoning and Trumbull Counties, Ohio

Appendix G

COMPARABILITY OF PRODUCT CLASSES BETWEEN THE 1967 AND 1963 CENSUSES OF MANUFACTURES

This appendix lists classes of products which underwent revision between the 1963 and 1967 censuses of manufactures. Revisions resulted from some amendment in the 4-digit industry composition of the Standard Industrial Classification (SIC) Manual between the two years and from changes in product classes in 1965, and again in 1967, within industries not otherwise affected by SIC 4-digit amendment. The 1967 revision of the 4-digit SIC level affected but a few industries, mainly a reordering, including deletion, of some 4-digit industries within several 3-digit SIC groups and, in the case of group 398, its deletion and merger with group 399. Most of the 1963-1967 changes in classes resulted from revision within industries not affected by 4-digit revision. These 5-digit changes were occasioned by the need to (1) accord recognition to products growing in importance and discontinue product groupings declining in importance; (2) reflect changing technologies or market orientations; and (3) correct errors in classification.

Product classes, coded to the 5-digit level, represent families (of substantial shipments size) of relatively homogeneous products, the latter coded to the 7-digit level. As such, the product class is an intermediate level of coding between the 7-digit product and the 4-digit SIC industry. Product classes are utilized by the Bureau of the Census for data collection in both the Census of Manufactures and Annual Survey of Manufactures and in more than 100 current commodity reports in the Current Industrial Reports series. While the Annual Survey of Manufactures is built around the product class, in the Census of Manufactures (Volume II, Industry Statistics) product class data will be found in a number of tables, important among these is table 5B which shows the shipments of product classes by industries and secondary industry contributors to the shipments of those product classes; tables 6A, B, and C give production and/or shipments data for such classes; and table 8, where general statistics (number of establishments, employment, payrolls, value added, and value of shipments, among other items) are shown for establishments specializing in a product class. Production and/or shipments data, by product class, will also be found in many of the Current Industrial Reports.

In the following table, the comparability (convertibility) between the product classes for 1967 and 1963 is shown only for those 1963 classes which were revised in some way between the two years. As noted, a few revisions were made in 1965 with no revision in the 4-digit industry level. Some of these 1965 changes were continued into 1967. However, a few of the 1965 changes were subjected to further revision in 1967; such changes are not shown in the table.

The table should be interpreted as follows:

1. Where a single code in 1967 is shown as equivalent to a single code in 1963 (for example, 1967 code 35196 equivalent to 1963 code 35193), the revision involved a simple recoding of the product class with no change in product coverage. This situation resulted from a reordering of product classes within an industry or was necessitated by a revision in the Standard Industrial Classification (SIC) between 1963 and 1967.

2. Where one class is shown for 1967 and two or more classes are shown for 1963, the one class is equal to the two or more classes in product coverage; for example, 1967 code 22710 is equivalent to the two 1963 codes 22711 and 22712. The reverse is also true; for example, 1967 codes 22823 and 22824 are equivalent to 1963 code 22821. In these situations, the 1967 code 22710 resulted from a combination of the 1963 codes 22711 and 22712, and the 1967 codes 22823 and 22824 resulted from a splitting of 1963 code 22821.

3. Where several classes in 1967 are shown as equivalent to several classes in 1963, all classes in 1967 taken together are equivalent to all classes in 1963 taken together.

1967 Census of Manufactures as Related to 1963 Census of Manufactures

1967		1963	
Product class code	Product class description	Product class code	Product class description
19251	Missile systems, complete (excluding propulsion)	19251	Guided missiles, complete
19252	Space vehicle systems, complete (excluding propulsion)		
19253	Research and development on complete missile systems	19253	Research and development on complete guided missiles
19254	Research and development on complete space vehicles		
20411	Wheat flour, except flour mixes	20411	Wheat flour, except flour mixes
20415	Flour mixes and refrigerated doughs (made in flour mills)	20415	Flour mixes and refrigerated doughs
20413	Corn mill products	20413	Corn meal (for human and animal use)
20416	Other grain mill products	20416	Grain mill products, n.e.c.
22211	100 percent filament rayon and/or acetate fabrics, including combinations chiefly rayon and/or acetate (gray goods)	22211	Rayon and/or acetate pile, upholstery, tie and blanketing fabrics (gray goods)
22212	100 percent filament fabrics, except rayon and/or acetate (gray goods)	22212	100 percent filament rayon and/or acetate fabrics (gray goods)
22214	100 percent spun polyester blends with cotton fabrics (gray goods)	22214	Combination filament-and-spun rayon and/or acetate fabrics (gray goods)
22215	All other 100 percent spun noncellulosic fabrics (gray goods)	22215	Rayon and/or acetate mixtures with other fibers (gray goods)
22216	Combinations of filament and spun yarn fabrics, chiefly manmade fiber (gray goods)	22216	Nylon and chiefly nylon fabrics (gray goods)
22217	Blanketing, silk, paper, and other specialty manmade fiber fabrics (gray goods)	22217	Silk and manmade fibers, n.e.c. (gray goods)
22710	Woven carpets and rugs	22711	Woven carpets and rugs, chiefly wool pile yarns
		22712	Woven carpets and rugs, chiefly cotton or manmade fiber pile yarn
22823	Thrown filament yarns, except textured	22821	Thrown filament yarns, including textured yarns
22824	Textured, crimped or bulked filament yarn		
24215	Wood chips	24290	Shingle, cooperage stock and excelsior mills
24290	Shingles, cooperage stock, and excelsior		
24331	Fabricated structural wood members and wood laminates	24331	Fabricated structural framing and wood laminates; ready-cut wood buildings and panels or sections for prefabricated and ready-cut buildings
24332	Ready-cut and prefabricated wood buildings, including sections and roof trusses	24332	Prefabricated buildings, wood
25151	Innerspring mattresses, other than crib size	25151	Innerspring mattresses and spring cushions
25152	Other mattresses, including crib mattresses	25152	Other mattresses
26215	Bleached bristols (excluding cotton fiber index and bogus)	26215	Fine paper, including thin paper
26216	Writing and related papers	26217	Special industrial paper
26219	Special industrial paper		
26217	Unbleached kraft packaging and industrial converting paper	26216	Coarse paper
26218	Packaging and industrial converting paper		

1967 Census of Manufactures as Related to 1963 Census of Manufactures—Continued

1967		1963	
Product class code	Product class description	Product class code	Product class description
26210	Tissue paper and other machine creped paper	26218	Sanitary tissue stock
26311	Unbleached kraft packaging and industrial converting paperboard		
26312	Bleached packaging and industrial converting paperboard	26311	Container board
		26312	Special food board
26313	Semichemical paperboard		
26314	Combination paperboard: shipping container-board	26313	Folding boxboard stock, except special food board
26315	Combination paperboard: bending		
26316	Combination paperboard: nonbending	26314	Set-up boxboard
26317	Special combination packaging and industrial converting paperboard	26315	Special paperboard, including cardboard, other bending and nonbending board
26318	Wet machine board	26316	Wet machine board
28155	Cyclic (coal tar) crudes	28140	Cyclic (coal tar) crudes
28311	Blood and blood derivatives, for human use		
28312	Vaccines and antigens, for human use		
28313	Antitoxins, toxoids, and toxins for immunization, and therapeutic immune serums, for human use	28311	Biological products for human use
28314	Diagnostic substances and other biologics, for human use		
28315	Biological products for veterinary use	28312	Biological products for veterinary use
29111	Gasoline	29111	Gasoline and jet fuel
29112	Jet Fuel		
29113	Kerosene	29112	Kerosene
29114	Distillate fuel oil	29113	Distillate fuel oil
29115	Residual fuel oil	29114	Residual fuel oil
29116	Liquefied refinery gases (feed stock and other uses)	29115	Liquefied refinery gases and aromatics, including feed stocks
29110	Other finished petroleum products, including waxes	29110	Other finished petroleum products, including waxes
29117	Lubricating oils and greases, made in refineries	29116	Lubricating and similar oils made in refineries
		29117	Lubricating greases made in refineries
29920	Lubricating oils and greases, made from purchased materials	29926	Lubricating oils, from purchased materials
		29927	Lubricating greases, from purchased materials
33231	Steel investment castings		
33232	Other carbon steel castings	33230	Steel castings
33233	Other alloy steel castings		
33691	Zinc and zinc-base alloy castings	33690	Nonferrous castings, n.e.c.
33699	Nonferrous castings, n.e.c.		
34616	Metal commerical closures and metal home canning closures (except crowns)	34616	Metal commerical closures, except crowns
34618	Other stamped and pressed metal end products	34618	Other stamped and pressed metal end products

1967		1963	
Product class code	Product class description	Product class code	Product class description
34941	Automatic regulating and control valves		
34942	Valves for power transfer (pneumatic and hydraulic)		
34943	Other metal valves for piping systems and equipment (except plumbing and heating valves)	34941	Metal valves for piping systems (except plumbing and heating valves)
34945	Metal fittings, flanges and unions for piping systems	34942	Metal fittings and unions for piping systems
34946	Fittings and assemblies for tubing and hose (except plumbers' brass goods)	34944	Other metal valves and fittings, except plumbers' brass goods and fittings
34944	Plumbing and heating valves and specialties (except plumbers' brass goods)	34943	Plumbing and heating valves and specialties (except plumbers' brass goods)
35191	Gasoline engines, under 11 horsepower, except aircraft, automobile, truck, bus, and tank	35191	Gasoline engines, except outboard, aircraft, and automotive
35192	Gasoline engines, 11 horsepower and over, except aircraft, automobile, truck, bus, and tank		
35193	Diesel engines (except for trucks and buses)	35192	Diesel and semi-diesel engines (internal combustion)
35194	Diesel engines (for trucks and buses)		
35197	Tank and converted internal combustion engines	35196	Other internal combustion engines (including converted engines and tank engines)
35196	Gas engines (except gas turbines)	35193	Gas engines (except gas turbines)
35199	Parts and accessories for internal combustion engines	35197	Parts and accessories for internal combustion engines
35221	Wheel tractors and attachments (except contractors' off-highway type, garden tractors, and motor tillers)		
35222	Farm dairy machines, sprayers and dusters, farm elevators, farm blowers, garden tractors and motor tillers	35222	Wheel tractors and parts and attachments (except garden and contractors' off-highway)
35223	Planting, seeding, and fertilizing machinery	35223	Planting, seeding, and fertilizing machinery, and parts
35224	Plows, listers, harrows, rollers, pulverizers, stalk cutters, and similar equipment	35224	Plows, listers, harrows, rollers, pulverizers, and stalk cutters, and parts
35225	Harvesting machinery	35225	Harvesting machinery and parts
35226	Haying machinery	35226	Haying machinery and parts
35227	Lawn mowers and snow blowers	35227	Lawn mowers and parts
35228	All other farm machinery and equipment	35228	All other farm machinery and equipment
35229	Parts for farm machinery and equipment, for sale separately		
35313	Parts and attachments for tracklaying type tractors, contractors' off-highway wheel tractors, and tractor shovel loaders	35313	Parts and attachments for tracklaying and contractors' off-highway wheel tractors
35317	Tractor shovel loaders, excluding parts and attachments	35317	Tractor shovel loaders
35441	Special dies and tools, die sets, jigs and fixtures	35441	Special dies and tools, die sets, jigs, and fixtures
35442	Industrial molds	35442	Industrial molds
35622	Taper (except thrust) roller bearings, complete	35622	Roller bearings, complete
35623	Other roller bearings, complete		
35624	Mounted bearings	35623	Mounted bearings
35629	Parts and components for ball and roller bearings, including balls and rollers, sold separately	35624	Parts and components for ball and roller bearings, including balls and rollers, sold separately

1967 Census of Manufactures as Related to 1963 Census of Manufactures—Continued

1967		1963	
Product class code	Product class description	Product class code	Product class description
35731	Electronic computing equipment, except parts and attachments	35711	Electronic data processing machines and associated equipment, except typewriters
35733	Parts and attachments for electronic computing equipment		
35741	Calculating and accounting machines, including cash registers, except parts and attachments	35712	Computing and accounting machines including cash registers
35743	Parts and attachments for calculating and accounting machines		
35791	Addressing, dictating, duplicating, and other office and store machines, n.e.c., except parts and attachments	35790	Addressing, dictating, duplicating and other office machines. n.e.c.
35792	Parts and attachments for addressing, dictating, duplicating, and other office and store machines, n.e.c.		
35851	Heat transfer equipment, except room and unitary air-conditioners	35851	Heat transfer equipment
35852	Air-conditioners, room and unitary		
35991	Carburetors (new), pistons and piston rings, and valves	35990	Carburetors, pistons and other machine shop products
35992	All other machine shop products, including flexible metal hose and tubing and metal bellows		
35993	Receipts for machine shop job work		
36131	Switchgear, except ducts and relays	36131	Switchgear, including power switchgear assemblies and other switching and interrupting devices, 2300 volts and over
36136	Duct, including plug-in units and accessories, 750 volts and under		
36137	Relays, control circuit		
36132	Power circuit breakers, all voltages	36132	Circuit breakers
36135	Molded case circuit breakers, 750 volts and under		
36514	Recorders, phonographs, and radio and television chassis	36513	Recorders, audio amplifiers, phonographs, tuners, speaker systems, and other audio equipment and accessories
36515	Speaker systems, microphones, home-type electronic kits, and commerical sound equipment including public address systems		
36621	Commerical, industrial, and military electronic communication equipment, except telephone communication equipment	36621	Commerical, industrial, and military electronic communication equipment, except broadcast equipment and home-type intercommunication equipment
36629	Microwave and mobile telephone (communication) equipment		
36741	Integrated microcircuits (semiconductor networks)	36795	Other electronic components and accessories, n.e.c., including parts for electron tubes, except blanks
36795	Other electronic components and accessories, n.e.c.		
36742	Transistors	36740	Solid state semiconductor devices
36743	Diodes and rectifiers		
36749	Other semiconductor devices		
37111	Passenger cars, knocked down or assembled, and chassis for sale separately	37171	Passenger cars, knocked down or assembled, and chassis for sale separately
37112	Truck tractors, truck chassis and trucks (chassis of own manufacture)	37172	Truck tractors, truck chassis and trucks (chassis of own manufacture)

1967 Census of Manufactures as Related to 1963 Census of Manufactures—Continued

1967		1963	
Product class code	Product class description	Product class code	Product class description
37113	Buses (except trolley buses) and fire department vehicles (chassis of own manufacture)	37173	Buses (except trolley buses) and fire department vehicles (chassis of own manufacture)
37114	Combat vehicles, wheeled or tracked tactical vehicles or carriers (excluding tanks)	37174	Combat vehicles
37115	Passenger car bodies	37175	Parts and accessories for passenger cars, trucks, and buses shipped to motor vehicle manufacturers
37141	Parts and accessories for motor vehicles, excluding kits and rebuilt parts	37176	Parts and accessories for passenger cars, trucks, and buses shipped to other than motor vehicle manufacturers
37143	Rebuilt engines and parts for motor vehicles (except carburetors)	37177	Rebuilt motor vehicle engines and parts (except carburetors)
37295	Aircraft propellers and propeller parts	37230	Aircraft propellers and parts
37411	Locomotives, new and rebuilt, railroad service and switching type	37411	Road service, road switching and switching type locomotives
37412	Mining and industrial type locomotives, new and rebuilt	37412	Mining and industrial types (including diesel-electric, diesel mechanical, electric storage battery, etc.)
37413	Parts for locomotives, for sale separately	37413	Parts for locomotives, for sale separately, and rebuilt locomotives
38511	Ophthalmic fronts and temples	38510	Ophthalmic goods
38512	Ophthalmic focus lenses, including contact lenses		
38513	All other ophthalmic goods		
38612	Photocopying equipment	38612	Photocopying, microfilming, blueprinting, brownprinting, and whiteprinting equipment
38614	Microfilming, blueprinting, brownprinting and whiteprinting equipment		
39492	Golf equipment	39492	Other sporting and athletic goods
39493	Other sporting and athletic goods		
39911	Brooms	39811	Brooms
39912	Paint and varnish brushes	39812	Paint and varnish brushes
39913	Other brushes	39813	Other brushes
39941	Metal caskets and coffins, completely lined and trimmed	39881	Metal caskets and coffins, completely lined and trimmed
39942	Wood caskets and coffins, completely lined and trimmed	39882	Wood caskets and coffins, completely lined and trimmed
39943	Other caskets and coffins, metal vaults, and morticians' supplies	39883	Other caskets and coffins, metal vaults, and morticians' supplies
39961	Linoleum	39821	Linoluem
39962	Asphalted-felt-base and supported plastic floor covering	39822	Asphalted-felt-base and supported plastic floor covering
39993	Matches	39830	Matches
39994	Candles	39840	Candles
39995	Lamp shades	39870	Lamp shades
39996	Furs, dressed and dyed	39920	Furs, dressed and dyed
39997	Umbrellas, parasols, and canes	39950	Umbrellas, parasols, and canes
39999	Other miscellaneous fabricated products, n.e.c.	39993	Other miscellaneous fabricated products

Appendix H

ALPHABETIC INDEX OF MANUFACTURED PRODUCTS

This index is intended to assist in locating statistics on manufactured products in table 6A, "Products and Product Classes—Quantity and Value of Shipments by All Producers: 1967 and 1963," in the industry chapters. Table 6A presents data not only for some 5,500 products reported in the 1967 census but for 5,000 additional products covered in the Current Industrial Reports series of commodity surveys, for which only summary totals were called for in the census of manufactures.

The product information in table 6A of any industry chapter is for products primary to the industries covered in that chapter; such products are coded, in the first four of their seven digits, to the industry code of their primary industry. Thus, pistols and revolvers, product code 1951232, are primary to industry 1951, Small Arms. The product statistics for the 7-digit code will be found in table 6A in chapter 19A, which includes industry 1951.

In this index the products, alphabetized and coded to their first five digits, are typically described in broad terms; more detail by size, material composition, end-use, etc., will be found in table 6A. To assist in locating product statistics, the index includes cross references or alternate ways of describing products.

Statistics on products are contained in tables other than 6A but no references to such other tables are given here. For example, summary product information at the industry (4-digit) level may be found in tables 5A and at the product class (5-digit) level in table 5B. Product class specialization general statistics may be found in table 8. In a few chapters, detailed product information is contained in tables in the table 6 series, in addition to table 6A.

This volume contains 80 chapters. Each chapter presents statistics, including product statistics, for several 4-digit industries. For each chapter, the paging commences with the 2-digit SIC major group number followed by a letter. Within that chapter, the individual pages are numbered sequentially. (For instance, the chapter on dairy products, covering industries 2021 to 2026, is numbered 20B.) Table AA, Product Finding Guide, gives a listing of each of the 80 chapters together with the industry codes included.

To use the alphabetic index in this appendix--

1. Find the product in the index.
2. Note the first four digits of its 5-digit code,
3. Locate the 4-digit code in table AA, and
4. Turn to table 6A in the chapter indicated.

For example, the product, "butter, creamery", will be found in the alphabetic index coded 20210. Referring to table AA, it will be noted that industry code 2021 is included in chapter 20B. In chapter 20B, table 6A will be found commencing on page 20B-14, with statistics for butter.

Table AA. Product Finding Guide

Products with first 4 digits coded—	Included in table 6A of chapter—	Products with first 4 digits coded—	Included in table 6A of chapter—
1911 to 1999	19A	2911 to 2999	29A
2011 to 2015	20A	3011 to 3079	30A
2021 to 2026	20B		
2031 to 2037	20C	3111 to 3142	31A
2041 to 2046	20D	3151 to 3199	31B
2051, 2052	20E		
2061 to 2073	20F	3211 to 3231	32A
2082 to 2087	20G	3241 to 3259	32B
2091 to 2094	20H	3261 to 3269	32C
2096		3271 to 3281	32D
2095, 2097 to 2099	20I	3291 to 3299	32E
2111 to 2141	21A	3312 to 3317	33A
		3321 to 3323	33B
2211 to 2241	22A	3331 to 3341	33C
2251 to 2259	22B	3351 to 3369	33D
2261 to 2269	22C	3391 to 3399	33E
2271 to 2279	22D		
2281 to 2284	22E	3411 to 3429	34A
2291 to 2299	22F	3431 to 3433	34B
		3441 to 3449	34C
2311 to 2329	23A	3451 to 3479	34D
2331 to 2339	23B	3481 to 3499	34E
2341 to 2369	23C		
2371 to 2389	23D	3511 to 3522	35A
2391 to 2399	23E	3531 to 3537	35B
		3541 to 3548	35C
2411 to 2429	24A	3551 to 3559	35D
2431 to 2433	24B	3561 to 3569	35E
2441 to 2499	24C	3572 to 3579	35F
		3581 to 3599	35G
2511 to 2519	25A		
2521 to 2599	25B		
		3611 to 3629	36A
2611 to 2631,	26A	3631 to 3639	36B
2661		3641 to 3644	36C
2641 to 2649	26B	3651 to 3679	36D
2651 to 2655	26C	3691 to 3699	36E
2711 to 2741	27A	3711 to 3715	37A
2751 to 2761	27B	3721 to 3729	37B
2771 to 2794	27C	3731 to 3799	37C
2812 to 2819	28A	3811 to 3851	38A
2821 to 2824	28B	3861 to 3872	38B
2831 to 2834	28C		
2841 to 2844	28D	3911 to 3914	39A
2851, 2861	28E	3931 to 3949	39B
2871 to 2879	28F	3951 to 3964	39C
2891 to 2899	28G	3991 to 3999	39D

Code	Product
22981	ABACA ROPE AND CABLE - HARD FIBER CORDAGE
38213	ABRASION TESTING INSTRUMENTS
32912	ABRASIVE PRODUCTS, NONMETALLIC, BONDED
32913	ABRASIVE PRODUCTS, NONMETALLIC COATED
32912	ABRASIVE COMPOUNDS, NONMETALLIC BONDED
26219	ABRASIVE PAPER STOCK
32912	ABRASIVES, DIAMOND, ARTIFICIAL BONDED
32914	ABRASIVES, METAL
32912	ABRASIVES, NONMETALLIC NATURAL SIZED GRAINS, POWDER AND FLOUR
32911	ABRASIVES, NONMETALLIC, SYNTHETIC SIZED GRAINS, POWDER AND FLOUR
32911	ABRASIVES, SYNTHETIC, GRAINS, POWDERS, AND FLOUR
26472	ABSORBENT PADS, SANITARY PAPER PRODUCTS
26219	ABSORBENT PAPER, INCLUDING BLOTTING AND FILTER, SPECIAL INDUSTRIAL
28423	ABSORBENTS, CLEANERS - OIL DUST
23890	ACADEMIC GOWNS AND CAPS
22213	ACETATE AND/OR RAYON FABRICS AND BLENDS, GRAY GOODS
38213	ACCELERATION, VIBRATION AND OTHER KINEMATIC TESTING AND MEASURING EQUIPMENT
39314	ACCORDIONS AND PARTS
27821	ACCOUNT BOOKS, OTHER THAN SALESBOOKS, BLANKBOOK MAKING
35741	ACCOUNTING AND COMPUTING MACHINES, INCLUDING CASH REGISTERS
32962	ACCOUSTICAL PADS AND BOARDS, MINERAL WOOL
28213	ACETAL RESINS, THERMOPLASTIC
28182	ACETATE, ORGANIC, ACYCLIC
28182	ACETATE CELLULOSE, EXCEPT PLASTIC
28231	ACETATE, SALABLE WASTE
28231	ACETATE YARN MANMADE FIBERS
28231	ACETATE YARN, STAPLE AND TOW, MANMADE FIBERS
28612	ACETIC ACID, NATURAL
28182	ACETIC ACID, SYNTHETIC
28182	ACETIC COMPOUNDS, NONCYCLE, SYNTHETIC
28132	ACETYLENE, INDUSTRIAL
35483	ACETYLENE WELDING AND CUTTING APPARATUS
28191	ACID, NITRIC
28182	ACID, OXALIC
28182	ACID SALTS, ACYCLIC
28181	ACID SALTS, CYCLIC
28193	ACID, SULFURIC
28185	ACID, TANNIC
28185	ACID, TARTARIC
28411	ACID TYPE CLEANERS, BULK
20264	ACIDOPHILOUS MILK
28992	ACIDS, FATTY, PRODUCED FOR SALE AS SUCH FROM OWN OR PURCHASED MATERIALS
28194	ACIDS, INORGANIC, EXCEPT NITRIC AND SULFURIC
26611	ACOUSTICAL TILE
24996	ACOUSTICAL TILE BOARD, HARD PRESSED WOOD FIBER
28242	ACRYLIC AND ACRYLIC TYPE FIBERS
22212	ACRYLIC FABRICS - SILK AND MANMADE FIBER FABRICS (GRAY GOODS), 100% FILAMENT
28213	ACRYLIC RESIN, THERMOPLASTIC
28242	ACRYLONITRILE STAPLE FIBER
35741	ADDING MACHINES
28181	ADDITIVES, GASOLINE, CYCLIC
28181	ADDITIVES, LUBRICATING OIL, CYCLIC
27821	ADDRESS BOOKS, BLANKBOOK MAKING
35791	ADDRESSING MACHINES
20860	ADES AND FRUIT DRINKS, BOTTLED AND CANNED
20371	ADES, FROZEN OR CHILLED
38421	ADHESIVE PLASTER, SURGICAL DRESSINGS
26414	ADHESIVE TAPE, CELLOPHANE
28911	ADHESIVES AND CEMENTS, SYNTHETIC BASE OR NATURAL BASE
28215	ADHESIVES FROM PLASTICS AND RESIN MATERIALS PRODUCED IN THIS ESTABLISHMENT
28911	ADHESIVES, GLUES
28911	ADHESIVES, RUBBER AND SYNTHETIC RESIN
28183	ADIPIC ACID
32592	ADOBE BRICK
28332	ADRENAL GLANDS AND EXTRACTION, ANIMAL ORIGIN BULK
39932	ADVERTISING DISPLAYS - NONELECTRIC
27112	ADVERTISING IN DAILY AND SUNDAY NEWSPAPERS, RECEIPTS FROM
27212	ADVERTISING IN FARM PERIODICALS, RECEIPTS FROM
27216	ADVERTISING IN GENERAL PERIODICALS (I.E. - OTHER THAN FARM, SPECIALIZED BUSINESS, AND PROFESSIONAL) RECEIPTS FROM
27114	ADVERTISING IN WEEKLY AND OTHER NEWSPAPERS, RECEIPTS FROM
39932	ADVERTISING NOVELTIES
27519	ADVERTISING PRINTED BY SCREEN PROCESS
27515	ADVERTISING PRINTING BY LETTERPRESS
27525	ADVERTISING PRINTING BY LITHOGRAPHIC PROCESS
27214	ADVERTISING RECEIPTS FROM SPECIALIZED BUSINESS AND PROFESSIONAL MAGAZINES
27217	ADVERTISING, SALES, SUBSCRIPTION RECEIPTS FROM RELIGIOUS, SCHOOL, SUNDAY COMICS AND SUPPLEMENTS
39933	ADVERTISING SPECIALTIES, EXCLUDING SIGNS AND DISPLAYS
34232	ADZES
35351	AERIAL TRAMWAY AND CHAIRLIFT EQUIPMENT (CONVEYORS)
35690	AEROSOL PACKAGING MACHINES
28513	AEROSOL PAINTS - FROM PAINTS PRODUCED IN THIS ESTABLISHMENT
28519	AEROSOL PAINTS, MADE FROM PURCHASED PAINT
28421	AEROSOLS, HOUSEHOLD
28441	AFTERSHAVE LOTIONS
28430	AGENTS, SURFACE ACTIVE AND FINISHING
35316	AGGREGATE SPREADERS
34232	AGRICULTURAL EDGE HANDTOOLS, EXCEPT SCISSORS AND SHEARS
24262	AGRICULTURAL IMPLEMENT STOCK, HARDWOOD DIMENSION MILL PRODUCTS
28790	AGRICULTURAL PESTICIDES
19410	AIMING CIRCLES (FIRE CONTROL EQUIPMENT) MADE FROM PURCHASED MATERIAL
35614	AIR COMPRESSORS, EXCEPT REFRIGERATION
35616	AIR COMPRESSORS - PARTS AND ATTACHMENTS ONLY
35857	AIR CONDITIONERS, AUTO AND AIRCRAFT CABIN
35852	AIR-CONDITIONERS, ROOM
35852	AIR-CONDITIONING COILS, UNITARY
35852	AIR-CONDITIONING CONDENSING UNITS, UNITARY
36220	AIR CONDITIONING CONTROL ASSEMBLIES
34443	AIR-CONDITIONING DUCTS, INCLUDING DUST COLLECTING DUCTS, ALUMINUM AND STEEL (SHEET METAL)
35857	AIR COOLERS, USING EVAPORATED WATER
35361	AIR HOISTS
35642	AIR PURIFICATION EQUIPMENT AND AIR WASHERS
36343	AIR PURIFIER, PORTABLE ELECTRIC HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
34435	AIR RECEIVERS, METAL PRESSURE TANKS STANDARD LINE
36343	AIR SPACE HEATERS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
23940	AIR SUPPORTED STRUCTURES, OF CANVAS, FROM PURCHASED PRODUCTS
35319	AIR TOOLS, CONTRACTORS, HANDHELD
35642	AIR WASHERS
36624	AIRBORNE NAVIGATIONAL SYSTEMS
34522	AIRCRAFT AND ORDNANCE HEADED-PRODUCTS-NONSTANDARD
34510	AIRCRAFT AND ORDNANCE, SCREW-MACHINE PRODUCTS
36211	AIRCRAFT AND SPACE MOTORS, FRACTIONAL HORSEPOWER
37291	AIRCRAFT BOMB RACKS AND GUN MOUNTS
37312	AIRCRAFT CARRIERS, NEW U.S. MILITARY, SELF-PROPELLED
37213	AIRCRAFT, COMPLETE, AIRLINE PASSENGER AND CARGO
37213	AIRCRAFT, COMPLETE, COMMERCIAL TRANSPORT
37211	AIRCRAFT, COMPLETE, MILITARY MAN-CARRYING INCLUDING AIRPLANES, BALLOONS, HELICOPTERS AND AUTOGIROS
37212	AIRCRAFT, COMPLETE-PERSONAL AND UTILITY
38211	AIRCRAFT ENGINE INSTRUMENTS, EXCEPT FLIGHT
37224	AIRCRAFT ENGINE PARTS AND ACCESSORIES
37222	AIRCRAFT ENGINES, EXCEPT U.S. MILITARY CUSTOMERS
37221	AIRCRAFT ENGINES FOR U.S. MILITARY CUSTOMERS
38111	AIRCRAFT FLIGHT, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS AND AUTOMATIC PILOTS
37291	AIRCRAFT FUEL METERING SYSTEM
34291	AIRCRAFT HARDWARE
37291	AIRCRAFT PARTS AND AUXILIARY EQUIPMENT
37293	AIRCRAFT PARTS, RECEIPTS FROM RESEARCH AND DEVELOPMENT ONLY
30113	AIRCRAFT PNEUMATIC TIRES
37214	AIRCRAFT, PREVIOUSLY ACCEPTED AND NOW BEING MODIFIED, CONVERTED, OR OVERHAULED
37295	AIRCRAFT PROPELLERS AND PARTS
37216	AIRCRAFT SERVICES, INCLUDING RESEARCH AND DEVELOPMENT RECEIPTS
33579	AIRFRAME AND MISSILE WIRE AND CABLE INCLUDING GROUND SUPPORT CABLE
37292	AIRFRAMES, GUIDED MISSILES
34334	AIRTIGHT SHEET METAL WOOD STOVE DOMESTIC
36623	ALARM AND SIGNAL SYSTEMS, ELECTRIC AND ELECTRONIC
38711	ALARM CLOCKS, COMPLETE
36623	ALARM SYSTEMS, ELECTRONIC
27821	ALBUMS AND SCRAPBOOKS, BLANKBOOK MAKING
28185	ALCOHOL, ETHYL
28182	ALCOHOL, METHYL, SYNTHETIC
28612	ALCOHOL, METHYL, WOOD, NATURAL
28346	ALCOHOL, RUBBING
28612	ALCOHOL, WOOD
28185	ALCOHOLS (EXCEPT METHYL), NATURAL, NONBEVERAGE
29182	ALCOHOLS, SYNTHETIC, NONBEVERAGE: ALSO EXCLUDING ETHYL AND RUBBING ALCOHOL
20820	ALE - CANS OR BOTTLES CASE GOODS OR BARRELS AND KEGS
20424	ALFALFA MEAL SUN-CURED AND DEHYDRATED
35484	ALIGNERS, CONNECTING ROD WHEEL, AUTOMOTIVE
28411	ALKALINE DETERGENTS AND ACID-TYPE CLEANERS, BULK
28331	ALKALOIDS AND SALTS, SYNTHETIC, BULK
28214	ALKYD RESIN
28314	ALLERGENIC EXTRACTS, HUMAN USE
27413	ALMANACS, PUBLISHED
25312	ALTARS, CHURCH FURNITURE
38111	ALTIMETERS, BAROMETRIC
28196	ALUM, ALUMINUM COMPOUNDS
32640	ALUMINA PORCELAIN INSULATORS
33610	ALUMINUM AND ALUMINUM-BASE ALLOY CASTINGS
33920	ALUMINUM AND ALUMINUM-BASE ALLOY FORGINGS
33348	ALUMINUM BILLETS EXTRUDED, PRODUCED IN PRIMARY REDUCTION PLANT
33521	ALUMINUM CABLE, STEEL REINFORCED (ACSR) MADE IN ROLLING MILL
28196	ALUMINUM COMPOUNDS, EXCEPT ALUMINUM OXIDE
33610	ALUMINUM COOKING UTENSILS, CAST
33528	ALUMINUM EXTRUSION BILLET, PRODUCED IN ROLLING MILLS
33418	ALUMINUM EXTRUSION BILLET, SECONDARY SMELTING
34413	ALUMINUM, FABRICATED STRUCTURAL (EXCEPT FOR BUILDINGS AND BRIDGES)
34412	ALUMINUM, FABRICATED STRUCTURAL, FOR BRIDGES ONLY
34411	ALUMINUM, FABRICATED STRUCTURAL, FOR BUILDINGS
34970	ALUMINUM FOIL, LAMINATED
33523	ALUMINUM FOIL PLAIN, MADE IN A ROLLING MILL
34990	ALUMINUM GIFTWARE HAMMERED
33347	ALUMINUM, INGOT, MADE IN PRIMARY REDUCTION PLANT
33527	ALUMINUM INGOT, PRODUCED IN ROLLING MILLS
33417	ALUMINUM INGOT, SECONDARY SMELTING
32912	ALUMINUM OXIDE, ABRASIVE, BONDED
32911	ALUMINUM OXIDE, ABRASIVE SIZED GRAINS POWDER AND FLOUR
28195	ALUMINUM OXIDE, EXCEPT NATURAL ALUMINA
33522	ALUMINUM PLATE AND SHEET, MADE IN A ROLLING MILL
33991	ALUMINUM POWDER AND PASTE PRIMARY
33525	ALUMINUM ROD, BAR, AND SHAPES, EXTRUDED
33524	ALUMINUM ROD, BAR, CONTINUOUS CAST, STRUCTURAL SHAPES, ROLLED
33526	ALUMINUM ROLLED, DRAWN, OR EXTRUDED MILL PRODUCTS
33417	ALUMINUM SECONDARY SMELTING
33526	ALUMINUM TUBE EXTRUDED DRAWN AND WELDED
34614	ALUMINUM UTENSILS, STAMPED AND SPUN, COOKING AND KITCHEN, HOUSEHOLD, HOSPITAL, AND COMMERCIAL
34422	ALUMINUM WINDOW SASH AND FRAMES EXCEPT STORM SASH
33571	ALUMINUM WIRE AND CABLE, BARE INCLUDING ACSR PRODUCED IN A WIRE-DRAWING ESTABLISHMENT
33571	ALUMINUM WIRE PRODUCED IN WIREDRAWING ESTABLISHMENTS
33521	ALUMINUM WIRE, ROLLING MILL PRODUCT
36621	AMATEUR RADIO COMMUNICATION EQUIPMENT
37111	AMBULANCES, COMPLETE VEHICLES, KNOCKED-DOWN OR ASSEMBLED
37130	AMBULANCES, COMPLETE VEHICLES, PRODUCED ON PURCHASED CHASSIS
37112	AMBULANCES, MADE ON OWN MANUFACTURE CHASSIS
36113	AMMETERS AND VOLTMETERS FOR MOTOR VEHICLES
28423	AMMONIA, HOUSEHOLD
33121	AMMONIA (SULFATE AND LIQUOR), COKE-OVEN BYPRODUCT
28191	AMMONIA, SYNTHETIC
28191	AMMONIUM COMPOUNDS, INORGANIC
28921	AMMONIUM NITRATE, HIGH EXPLOSIVES, INDUSTRIAL
35595	AMMUNITION AND EXPLOSIVE LOADING MACHINERY AND EQUIPMENT
19291	AMMUNITION, ARTILLERY (INCLUDING ROUNDS, CASES, AND COMPONENTS) OVER 30 MM. (OR OVER 1.18 INCHES)

Code	Product
34990	AMMUNITION BOXES AND CHESTS, METAL
19293	AMMUNITION, EXCEPT ARTILLERY AMMUNITION, OVER 30 MM. (OR OVER 1.18 INCHES), INCLUDING PARTS
19610	AMMUNITION FOR SMALL ARMS, 30 MM. (1.18 INCHES) OR UNDER
19292	AMMUNITION LOADING AND ASSEMBLY FOR ARMS OVER 30 MM. (OR OVER 1.18 INCHES), RECEIPTS FOR
19291	AMMUNITION PARTS, ARTILLERY (PROJECTILE METAL) OVER 30 MM.(OR OVER 1.18 INCHES)
19610	AMMUNITION WADS AND 30 MM. (OR 1.18 INCHES) AND UNDER
36111	AMPERE-HOUR METERS
19310	AMPHIBIAN TANKS AND PARTS
36515	AMPLIFIERS AND PREAMPLIFIERS, AUDIO, HOUSEHOLD
36626	AMPLIFIERS, MAGNETIC
35992	AMUSEMENT MACHINES AND EQUIPMENT FOR CARNIVALS
39992	AMUSEMENT MACHINES, COIN-OPERATED
28182	AMYL ACETATE, ACYCLIC
28341	ANABOLIC AGENTS (ANDROGENIC HORMONES EMPLOYED PRIMARILY FOR ANABOLIC ACTIVITY)
28342	ANALGESICS, INCLUDING NARCOTICS
36112	ANALYZERS, ELECTRICAL, FOR TESTING INTERNAL COMBUSTION ENGINES
34521	ANCHOR BOLTS AND RODS
20310	ANCHOVIES, CANNED EXCEPT FROZEN
28342	ANESTHETICS FOR HUMAN USE
28349	ANESTHETICS, FOR VETERINARY USE, PHARMACEUTICAL
35453	ANGLE IRONS AND PLATES, TOOLROOM
20874	ANGOSTURA BITTERS
28790	ANIMAL DIPS
20424	ANIMAL FEEDING MATERIALS AND ADJUNCTS, OTHER THAN COMPLETE LIVESTOCK AND POULTRY FEED, AND OTHER THAN DOG AND CAT FOOD
20424	ANIMAL FEEDS FOR FUR ANIMALS (MINK, FOX, ETC.)
20424	ANIMAL FEEDS (SPECIAL) FOR LABORATORY (MOUSE, GUINEA PIG, ETC.)
20943	ANIMAL OIL AND OIL MILL PRODUCTS, EXCEPT FATTY ACIDS
20942	ANIMAL REFUSE, WET OR DRY
20943	ANIMAL STEARIN, INEDIBLE
22531	ANKLET CUFFS, KNIT, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
22524	ANKLETS AND SOCKS (EXCEPT MISSES' KNEE-LENGTH), FOR MISSES AND CHILDREN, SHIPPED IN THE GREIGE
22523	ANKLETS FOR MISSES AND CHILDREN, FINISHED AND FULL FASHIONED, MADE OF COTTON, NYLON, ALL OTHER YARNS AND MIXTURES
33996	ANNEALING AND PICKLING OF STEEL FOR THE TRADE
27515	ANNOUNCEMENTS FOR ADVERTISING LETTERPRESS PRINTED
27518	ANNOUNCEMENTS PRINTED BY GRAVURE
27525	ANNOUNCEMENTS PRINTED BY LITHOGRAPHIC PROCESS
26491	ANNOUNCEMENTS, WEDDING AND SOCIAL, PAPER CARDS AND ENVELOPES
34710	ANODIZING, ELECTROPLATING, PLATING, POLISHING, COLORING
28421	ANT POISON
28345	ANTACIDS, PHARMACEUTICAL PREPARATIONS, FOR HUMAN USE
36795	ANTENNA ROTATORS
36622	ANTENNAS, RADIO AND TV, EXCEPT RECEIVING TYPES
28155	ANTHROCENE
28348	ANTIBIOTIC PREPARATIONS FOR HUMAN USE, PHARMACEUTICAL
28348	ANTIBIOTICS IN COMBINATION WITH SULFA DRUGS, PHARMACEUTICAL, FOR HUMAN USE
28312	ANTIBODIES, NATURALLY PRODUCED
28349	ANTIBIOTICS, VETERINARY, PHARMACUETICAL
28343	ANTICOAGULANTS, PHARMACEUTICAL, FOR HUMAN USE
28993	ANTIFREEZE, AUTO
28348	ANTI-INFECTIVE AGENTS (EXCLUDING CORTICOID ANTI-INFECTIVE COMBINATIONS
28312	ANTIGENS, BACTERIAL, HUMAN USE
28344	ANTIHISTAMINES, ALL FORMS
28199	ANTIMONY COMPOUNDS
28162	ANTIMONY OXIDE PIGMENT
28341	ANTINEOPLASTIC AGENTS
28341	ANTIOBESITY PREPARATIONS (PHARMACEUTICALS) FOR HUMAN USE
28346	ANTISEPTICS, EXTERNAL PHARMACEUTICAL FOR HUMAN USE
28349	ANTISEPTICS, WOUND DRESSINGS AND FUNGICIDES, VETERINARY, PHARMACEUTICAL
19990	ANTISUBMARINE PROJECTORS (ORDNANCE)
28315	ANTITOXINS, TOXOIDS, AND DIAGNOSTICS FOR VETERINARY USE
28313	ANTITOXINS, HUMAN USE
22411	APPAREL, ELASTIC NARROW WOVEN FABRICS
23282	APPAREL (EXCEPT SHIRTS), SERVICE, WASHABLE, MEN'S, YOUTHS', AND BOYS'
23961	APPAREL FINDINGS, MEN'S AND BOYS'
23289	APPAREL, SERVICE, WASHABLE, MEN'S, YOUTHS'', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23392	APPAREL, SERVICE, WASHABLE, WOMEN'S
22411	APPAREL WEBBING, POCKET, SHOE, AND BELT WEBBING
28345	APPETITE DEPRESSANTS, PHARMACEUTICAL, FOR HUMAN USE
20331	APPLESAUCE, CANNED
28516	APPLIANCE FINISHES, ALKYD AND OIL TYPES, INDUSTRIAL
36996	APPLIANCE WIRE AND CORD MANUFACTURED FROM PURCHASED MATERIAL
33576	APPLIANCE WIRE AND CORD PRODUCED IN ESTABLISHMENTS WHICH INSULATE WIRE
30795	APPLIANCES, HOUSING, MADE OF PLASTIC-COMPONENTS, ACCESSORIES AND PARTS, HOUSEHOLD AND COMMERCIAL
36344	APPLIANCES, SMALL, HOUSEHOLD, ELECTRICAL, PARTS AND ATTACHMENTS ONLY
24995	APPLICATORS, WOODEN, FLAT VENEER
27821	APPOINTMENT BOOKS, BLANKBOOK MAKING
23690	APRONS, GIRLS' AND INFANTS'', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23282	APRONS, MENS, EXCEPT PLASTIC AND RUBBERIZED
30698	APRONS, RUBBER
23850	APRONS, WATERPROOF PLASTIC AND RUBBERIZED (NOT ALL RUBBER)
23392	APRONS, WOMEN'S, MISSES'', AND JUNIORS'', WASHABLE SERVICE APPAREL
39493	AQUALUNG AND ATTACHMENTS FACE MASK AND FINS (UNDERWATER SPORTS EQUIPMENT)
36930	ARC LAMP UNITS, ELECTROTHERAPEUTIC, EXCEPT INFRA-RED AND ULTRA-VIOLET
36232	ARC WELDING ELECTRODES, METAL
36231	ARC WELDING MACHINES, COMPONENTS AND ACCESSORIES EXCEPT ELECTRODES
28421	ARCH SUPPORTS AND OTHER FOOT APPLIANCES
38421	ARCH SUPPORTS
39493	ARCHERY EQUIPMENT
32723	ARCHES AND COLUMNS, PRESTRESSED CONCRETE PRODUCTS
34460	ARCHITECTURAL AND ORNAMENTAL METALWORK (EXCEPT CURTAIN WALL AND OTHER EXTERIOR PANELS)
24318	ARCHITECTURAL MILLWORK PRODUCTS
34611	ARCHITECTURAL PORCELAIN PARTS EXTERIOR AND INTERIOR (VITREOUS ENAMEL)
30798	ARCTICS AND GAITERS MADE OF PLASTIC
30210	ARCTICS, FOOTWEAR, RUBBER WATERPROOF
28134	ARGON, INDUSTRIAL
23890	ARM BANDS
36946	ARMATURES, FIELD COILS AND DRIVE END HOUSING FOR CRANKING MOTORS
36946	ARMATURES FOR BATTERY CHARGING GENERATORS-ENGINE ELECTRICAL EQUIPMENT
19310	ARMORED UTILITY VEHICLES, INCLUDING PARTS
25144	ARMY COTS, METAL
29110	AROMATICS (BENZENE, TOLUENE, XYLENES, ETC.)
28199	ARSENIC COMPOUNDS
28790	ARSENIC COMPOUNDS FOR AGRICULTURE
32291	ART GLASSWARE MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	ART GLASSWARE MADE FROM PURCHASED GLASS
23951	ART GOODS (EXCEPT SCHIFFLI-MACHINE) FOR EMBROIDERING AND PUNCHING, STAMPED
32990	ART GOODS, NONMETALLIC MINERAL
23951	ART NEEDLEWORK (EXCEPT SCHIFFLI-MACHINE)
27518	ART REPRODUCTIONS AND PICTURE PRINTS GRAVURE PROCESS
27526	ART REPRODUCTIONS AND PICTURE PRINTS PRINTED BY LITHOGRAPHIC PROCESS
22790	ART SQUARES, FLOOR COVERING, TEXTILE
39620	ARTIFICIAL FLOWERS, FEATHERS, PLUMES
22952	ARTIFICIAL LEATHER, EXCEPT PAPER
38421	ARTIFICIAL LIMBS
28993	ARTIFICIAL SNOW (CHEMICAL)
19291	ARTILLERY AMMUNITION OVER 30 MM. (OR OVER 1.18 INCHES)
19291	ARTILLERY AMMUNITION PARTS (PROJECTILE METAL) OVER 30 MM. (OR OVER 1.18 INCHES)
19110	ARTILLERY PARTS, OVER 30 MM (OR OVER 1.18 INCHES)
19110	ARTILLERY OVER 30 MM. (OR OVER 1.18 INCHES)
39522	ARTISTS MATERIALS
32924	ASBESTOS-CEMENT SHINGLES AND CLAPBOARD
32927	ASBESTOS CLOTH
32927	ASBESTOS FELT, ROOFING
32922	ASBESTOS FRICTION MATERIAL
32932	ASBESTOS GASKETS
32933	ASBESTOS INSULATION
26612	ASBESTOS PAPER AND ASBESTOS FILLED PAPER
32924	ASBESTOS ROOFING SHINGLES
32924	ASBESTOS SIDING SHINGLES AND CLAPBOARD
32927	ASBESTOS TAPE
32927	ASBESTOS TEXTILES
32927	ASBESTOS WICK AND ROPE
32927	ASBESTOS YARN, CORD AND THREAD
34618	ASHCANS, METAL
32690	ASHTRAYS, POTTERY
24995	ASHTRAYS, WOODEN
29119	ASPHALT
29522	ASPHALT AND TAR COATINGS, CEMENTS, PITCHES, ROOFING
29523	ASPHALT AND TAR ROOFING AND SIDING PRODUCTS
29521	ASPHALT AND TAR SATURATED FELTS AND BOARDS, NONBUILDING USE
29523	ASPHALT SIDING, ROLL AND SHINGLE FORM, FELT-BASE
29523	ASPHALT BOARD PRODUCTS
39962	ASPHALT-FELT-BASE AND SUPPORTED PLASTIC FLOOR COVERING
32925	ASPHALT FLOOR TILE
29510	ASPHALT, LIQUID AND TAR PAVING MATERIALS
29523	ASPHALT OR TAR SATURATED SHEATHINGS
29510	ASPHALT PAVING MIXTURES AND BLOCKS
29523	ASPHALT ROOFING, MINERAL OR SMOOTH SURFACED ROLL
29523	ASPHALT AND TAR SATURATED FELTS
29523	ASPHALT SIDING INSULATING BOARD BASE
35316	ASPHALT TANK CAR HEATING CIRCULATORS
29522	ASPHALTIC ROOFING COATINGS AND CEMENTS
29510	ASPHALTIC SLAG AND LIMESTONE
28342	ASPIRIN AND ASPIRIN COMPOUNDS FOR HUMAN USE
22523	ATHLETIC AND CREW SOCKS FOR BOYS, FINISHED AND SEAMLESS, MADE OF COTTON, ALL OTHER YARNS AND MIXTURES
22522	ATHLECTIC AND CREW SOCKS FOR MEN, FINISHED AND SEAMLESS, MADE OF COTTON, WOOL, ACRYLIC, ALL OTHER YARNS AND MIXTURES
22523	ATHLETIC AND CREW SOCKS FOR MISSES AND CHILDREN, FINISHED AND SEAMLESS, COTTON, ALL OTHER YARNS AND MIXTURES
39493	ATHLETIC AND SPORTING GOODS AND EQUIPMENT, EXCEPT GOLF EQUIPMENT
31417	ATHLETIC SHOES, MEN'S, BOYS' AND WOMEN'S (EXCEPT SNEAKER TYPE)
22533	ATHLETIC SHORTS MADE FROM YARNS OR FABRIC KNIT AT THE ESTABLISHMENT
23292	ATHLETIC SHORTS, MEN'S AND BOYS'', MADE FROM WOVEN OR PURCHASED KNIT
23221	ATHLETIC TYPE KNIT UNDERSHIRTS, FOR MEN AND BOYS, MADE FROM PURCHASED KNIT FABRIC
27516	ATLASES, PRINTED BY LETTERPRESS
27526	ATLASES, PRINTED BY LITHOGRAPHIC
27413	ATLASES, PUBLISHING OF
31610	ATTACHE CASES
35314	ATTACHMENTS, FRONT-END, FOR POWER CRANES, DRAGLINES AND SHOVEL
36793	ATTENUATORS, RESISTORS FOR ELECTRONIC APPLICATION
35641	ATTIC-TYPE FANS
36622	AUDIO EQUIPMENT
34232	AUGER BITS
35321	AUGERS, COAL RECOVERY, MINING MACHINERY AND EQUIPMENT
35319	AUGERS, EARTH, TRACTOR-MOUNTING
27611	AUTO-GRAPHIC REGISTER BUSINESS FORMS, MANUFACTURING OF STRIP OR FANFOLD CONTINUOUS ROLLS OR FOLDED PACKS
36343	AUTOMATIC COFFEEMAKERS, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
35811	AUTOMATIC MERCHANDISING MACHINES, INCLUDING PARTS
38111	AUTOMATIC PILOT
34941	AUTOMATIC REGULATING VALVES DIAPHRAGM OR FLOAT FOR PIPING SYSTEMS
38220	AUTOMATIC TEMPERATURE CONTROLS
35857	AUTOMOBILE AIR-CONDITIONERS
23990	AUTOMOBILE AND AIRCRAFT SEAT OR SAFETY BELTS FROM PURCHASED FABRIC
22720	AUTOMOBILE AND AIRCRAFT TUFTED CARPETING
28424	AUTOMOBILE BODY POLISH AND CLEANERS
37111	AUTOMOBILE CHASSIS FOR SALE SEPARATELY
38711	AUTOMOBILE CLOCKS, COMPLETE
32316	AUTOMOBILE GLASS, EXCEPT SAFETY, MADE OF PURCHASED GLASS
34291	AUTOMOBILE HARDWARE
34231	AUTOMOBILE JACKS, MECHANICAL
35340	AUTOMOBILE LIFTS, SERVICE STATION AND GARAGE TYPE
35484	AUTOMOBILE MAINTENANCE EQUIPMENT
30111	AUTOMOBILE PNEUMATIC TIRES, CASINGS
36511	AUTOMOBILE RADIOS
22116	AUTOMOBILE SEAT COVER CLOTH, COTTON (GRAY GOODS)

Code	Product
23990	AUTOMOBILE SEAT COVERS, FIBER, SARAN OR PLASTIC WOVEN AND CLEAR PLASTIC, FROM PURCHASED FABRIC
30693	AUTOMOBILE SEATING, LATEX FOAM RUBBER
25312	AUTOMOBILE SEATS, FOR PUBLIC CONVEYANCES
28424	AUTOMOBILE TOP DRESSINGS
37991	AUTOMOBILE TRAILERS, EXCEPT HOUSETRAILERS
23962	AUTOMOBILE TRIMMINGS
22411	AUTOMOBILE WIND LACE
37111	AUTOMOBILES, COMPLETE VEHICLES, KNOCKDOWN OR ASSEMBLED
37141	AUTOMOBILES, PARTS AND ACCESSORIES ONLY
28993	AUTOMOTIVE CHEMICALS
26612	AUTOMOTIVE FELTS, CONSTRUCTION PAPER PRODUCTS
28516	AUTOMOTIVE FINISHES, ALKYD AND OIL TYPES, INDUSTRIAL
29111	AUTOMOTIVE GASOLINE
37141	AUTOMOTIVE GASOLINE ENGINES NEW (PRODUCED BY OTHER THAN MOTOR VEHICLE PRODUCERS)
34522	AUTOMOTIVE HEADED PRODUCTS NONSTANDARD
22930	AUTOMOTIVE PADS - SISAL AND COTTON LINTERS, RAW AND WASTE
26451	AUTOMOTIVE PAPERBOARD PRODUCTS (PANEL, TRIM, ETC.)
34510	AUTOMOTIVE SCREW-MACHINE PRODUCTS
34613	AUTOMOTIVE STAMPING
33579	AUTOMOTIVE WIRE AND CABLE
36215	AUTOSYNS, FRACTIONAL AND INTEGRAL HORSEPOWER (EXCEPT PARTS AND SUPPLIES FOR SUCH ITEMS)
29111	AVIATION GASOLINE
36425	AVIATION GROUND LIGHTING EQUIPMENT (EXCEPT PARTS AND ACCESSORIES)
24311	AWNING AND CASEMENT UNITS, WOOD FOR WINDOWS, MADE IN A MILLWORK PLANT
34422	AWNING FRAMES, ALUMINUM
34443	AWNINGS AND CANOPIES, SHEET METAL
23940	AWNINGS AND PAINTED AWNING STRIPES, CANVAS, MADE FROM PURCHASED FABRIC
34422	AWNINGS, METAL, OTHER THAN SHEET METAL
34232	AXES
22710	AXMINSTER WOOL OR CHIEFLY WOOL WOVEN CARPETS AND RUGS
33323	BABBITT, METAL-PRIMARY
33413	BABBITT, METAL-SECONDARY
20932	BABASSU OIL
25116	BABY BATHS, WOODEN, PAINTED OR FINISHED
22110	BABY BLANKETS, COTTON MADE IN BROADWOVEN FABRIC MILLS
25144	BABY CAR SEATS AND BEDS, METAL
39430	BABY CARRIAGES
20321	BABY FOODS, CANNED, EXCEPT MEAT, CEREAL AND BISCUITS
25152	BABY MATTRESS, CRIB, RUBBER OR LATEX CORE
25152	BABY MATTRESS, INNERSPRING
28445	BABY OIL
23920	BABY PADS, MADE FROM PURCHASED FABRIC
23850	BABY PAINTS, PLASTIC AND RUBBERIZED NOT ALL RUBBER
30698	BABY PANTS, RUBBER
25144	BABY PLAY PENS, METAL
31416	BABY SHOES
35318	BACKHOES, CONSTRUCTION MACHINERY FOR MOUNTING ON TRACTORS
20116	BACON, MADE IN MEATPACKING PLANT
20136	BACON, NOT MADE IN MEATPACKING PLANT
20992	BACON RINDS, STRIPS BAGGED OR CANNED
28315	BACTERINS AND MIXED BACTERINS FOR VETERINARY USE
23990	BADGES MADE OF TEXTILE PURCHASED FABRIC
39493	BADMINTON
31111	BAG, CASE AND STRAP LEATHER, FINISHED CATTLE HIDE
26432	BAG AND LINERS, GLASSINE, GREASEPROOF, AND PARCHMENT
35690	BAG AND POUCH FORMING, FILLING AND SEALING MACHINES
22112	BAG FABRICS, COTTON, GRAY GOODS
26217	BAG, PAPER, COARSE, UNBLEACHED KRAFT
20610	BAGASSE
22992	BAGGING, JUTE, FOR BALING COTTON
22562	BAGGING, MEAT, FINISHED CIRCULAR KNIT FABRIC, A KNIT FABRIC MILL PRODUCT
26432	BAGS AND LINERS OF UNSUPPORTED FILM (CELLOPHANE, POLYETHYLENE,
26432	BAGS AND LINERS OF UNSUPPORTED FILM (CELLOPHANE, POLYETHYLENE, PLIOFILM, ACETATE, ETC.)
26432	BAGS AND LINERS, POLYETHYLENE COMBINATIONS, INCLUDING POLYETHYLENE AND FOIL COMBINATIONS
26218	BAGS AND SACKS, GROCER, SHIPPING SACKS, ETC., EXCEPT UNBLEACHED KRAFT
26217	BAGS AND SACKS, GROCER, SHIPPING SACKS, ETC., UNBLEACHED KRAFT
22992	BAGS, BURLAP, MADE IN TEXTILE MILLS
26432	BAGS, CELLOPHANE
26432	BAGS, FOIL OR FOIL BACKED PAPER
26431	BAGS, GROCERS' AND VARIETY (GARMENT, SHOPPING, WARDROBE, MOTHPROOF, PAPER, ETC.)
26432	BAGS, HOUSEHOLD, (ALL MATERIALS) (GARBAGE, LUNCH, SANDWICH, ETC.)
31610	BAGS, LEATHER
31610	BAGS, LUGGAGE, ALL MATERIALS
23920	BAGS, LAUNDRY, SHOE, WARDROBE, MADE FROM PURCHASED FABRIC
26433	BAGS, MULTIWALL, PAPER
26432	BAGS, PLASTIC
39493	BAGS, PUNCHING
30697	BAGS, RUBBER
23990	BAGS, SLEEPING, TEXTILE FROM PURCHASED FABRIC
23930	BAGS, TEXTILE (EXCEPT LAUNDRY, WARDROBE AND SHOE) MADE FROM PURCHASED FABRIC
26431	BAGS, WARDROBE, SHOPPING, OF PAPER
39491	BAIT, ARTIFICIAL, FISHING
20323	BAKED BEANS, CANNED
20373	BAKED GOODS, FROZEN
20263	BAKERS' CHEESE
35512	BAKERY MACHINERY AND EQUIPMENT, DOUGH MIXERS, SLICING AND WRAPPING MACHINES
20522	BAKERY PRODUCTS, DRY, EXCEPT BISCUITS, CRACKERS, AND PRETZELS
20512	BAKERY PRODUCTS, SWEET YEAST GOODS
34614	BAKEWARE, STAMPED AND SPUN ALUMINUM
28512	BAKING JAPANS AND DRIERS, INDUSTRIAL
20994	BAKING POWDER
20515	BAKING POWDER LEAVENED PASTRIES INCLUDING CREAMPUFFS, ECLAIRS, LADY FINGERS, FRENCH PASTRY, PUFF PASTRY
35484	BALANCERS, WHEEL, AUTO
35760	BALANCES AND SCALES, EXCEPT LABORATORY (INCLUDING PARTS AND ACCESSORIES).

Code	Product
22562	BALBRIGGAN, FINISHED CIRCULAR KNIT FABRIC (A KNIT FABRIC MILL PRODUCT)
22541	BALBRIGGAN UNDERSHIRTS, MADE IN KNITTING MILLS
22112	BALE COVERINGS, COTTON (GRAY GOODS)
33159	BALE WIRE TIES, FERROUS WIRE, MADE IN WIREDRAWING PLANTS
34819	BALE TIES, FERROUS WIRE, NOT PRODUCED BY WIREDRAWERS
22981	BALER TWINE-HARD FIBER TWINE
35690	BALERS, SCRAP METAL, WASTE PAPER ETC., INDUSTRIAL MACHINERY
35629	BALL AND ROLLER BEARINGS, PARTS AND COMPONENTS ONLY
35621	BALL BEARINGS, COMPLETE
19251	BALLISTIC MISSILES, COMPLETELY ASSEMBLED
37211	BALLOONS, MILITARY AIRCRAFT
30698	BALLOONS, RUBBER
39510	BALLPOINT PENS
35629	BALLS AND ROLLERS, SOLD SEPARATELY
39493	BALLS FOR SPORTS, ALL TYPES, EXCEPT GOLF
30698	BALLS, RUBBER--EXCEPT INFLATABLE ATHLETIC BALLS
24318	BALUSTERS, WOOD, STAIR
34250	BAND SAW BLADES
22113	BANDAGE CLOTH, COTTON (GRAY GOODS)
38421	BANDAGES, ELASTIC, MUSLIN, PLASTER OF PARIS, ETC.
23421	BANDEAUX
22414	BANDING, SPINDLE BRAIDED
22411	BANDING, SPINDLE
23890	BANDS, ARM
23961	BANDS, HAT, MEN'S AND BOYS'
39314	BANJOS
27524	BANK AND BANK FORM PRINTING, LITHOGRAPHIC PROCESS
34920	BANK AND SECURITY VAULTS AND EQUIPMENT
27514	BANK CHECKS AND DEPOSIT SLIPS, LETTERPRESS PRINTED
27518	BANK CHECKS PRINTED BY GRAVURE
27524	BANK CHECKS PRINTED BY LITHOGRAPHIC
25420	BANK COUNTERS, METAL
25410	BANK COUNTERS, WOOD
27514	BANK FORMS PRINTING, INCLUDING PASSBOOKS, DEBITS AND CREDIT SLIPS, LEDGER AND STATEMENT SHEETS, BY LETTERPRESS
23990	BANNERS, TEXTILE FROM PURCHASED FABRIC
34493	BAR JOIST, METAL, FABRICATED
28413	BAR SOAP, MEDICATED, HAND, SHAVING, TOILET OR LAUNDRY HOUSEHOLD
34930	BAR SPRINGS, TORSION, EXCEPT WIRE
20336	BARBECUE SAUCE
36312	BARBECUER, FOR OUTDOOR COOKING (EXCEPT ELECTRIC)
33159	BARBED AND TWISTED WIRE, FERROUS, MADE IN WIREDRAWING PLANTS
34819	BARBED AND TWISTED WIRE, FERROUS NOT PRODUCED BY WIREDRAWERS
34211	BARBER SHEARS
39999	BARBER SHOP EQUIPMENT AND FURNITURE AND ACCESSORIES
28342	BARBITURATES
28331	BARBITURIC ACID DERIVATIVES, SYNTHETIC, BULK
37311	BARGES AND SHIPS, NONPROPELLED, NEW
32950	BARITE, GROUND
28199	BARIUM, INORGANIC CHEMICAL
20830	BARLEY MALT
22920	BARMEN LACES
35228	BARN AND BARNYARD EQUIPMENT, INCLUDING ATTACHMENTS
24313	BARN WINDOW AND DOOR FRAMES, WOOD
24290	BARREL HEADING AND STAVES, SAWED AND SPLIT, A SAWMILL PRODUCT
34913	BARRELS, BEER AND MILK, METAL, INCLUDING PARTS FOR THESE PRODUCTS
19512	BARRELS, GUN, 30 MM. (OR 1.18 INCHES) AND UNDER
19110	BARRELS, GUN, OVER 30 MM. (OR OVER 1.18 INCHES)
34912	BARRELS, METAL, STEEL SHIPPING, EXCEPT BEER BARRELS
24450	BARRELS, WOOD, INCLUDING USED RECOOPERED
33128	BARS AND BAR SHAPES, STEEL, COLD-FINISHED, MADE IN STEEL MILLS
33168	BARS AND BAR SHAPES, STEEL, COLD-FINISHED, NOT MADE IN STEEL MILLS
33124	BARS AND BAR SHAPES, STEEL, HOT ROLLED
33167	BARS AND SHAPES, STEEL, COLD ROLLED, NOT MADE IN STEEL MILL
25112	BARS (FURNITURE), WOODEN, PAINTED OR FINISHED
34493	BARS, REINFORCING, FOR CONCRETE, FABRICATED
28163	BARYTES PIGMENT
32813	BASALT, CUT
23292	BASEBALL UNIFORMS, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
39493	BASEBALLS AND BATS, MITTS, GLOVES
24430	BASKETS, CONTINUOUS OR SHORT STAVE, MADE OF VENEER AND PLYWOOD
30794	BASKETS, PLASTICS-PACKAGING AND SHIPPING CONTAINERS
24995	BASKETS, REED, RATTAN, WILLOW
24430	BASKETS, VENEER AND PLYWOOD, LUMBER
22532	BASQUE SHIRTS, MADE FROM YARN OR FABRICS KNIT IN THE SAME ESTABLISHMENT
25190	BASSINETS, REED OR RATTAN
35316	BATCHING PLANTS, BIN AND BATCH (FOR CONCRETE AGGREGATE ONLY AND BULK CEMENT)
34320	BATH AND SHOWER FITTINGS, BRASS GOODS
28445	BATH SALTS, BATH OIL, BUBBLE BATH
30698	BATHING AND SHOWER CAPS, RUBBER
23850	BATHING CAPS, EXCEPT ALL RUBBER
22533	BATHING SUITS, KNIT, MADE FROM YARN OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23393	BATHING SUITS, WOMEN'S, MISSES'', AND JUNIORS'', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22720	BATHMATS, TUFTED, AND BATHMAT SETS (NOT TERRY WOVEN)
23690	BATHROBES, TUFTED, GIRLS'', CHILDREN'S, AND INFANTS'', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
32610	BATHROOM ACCESSORIES, VITREOUS CHINA AND EARTHENWARE
25116	BATHS, BABY, WOODEN, PAINTED OR FINISHED
34310	BATHTUBS, ENAMELED IRON
32610	BATHTUBS, VITREOUS CHINA AND GLAZED EARTHENWARE
26612	BATS AND BLANKETS, FLEXIBLE WOOD FIBER, FOR CONSTRUCTION
36920	BATTERIES, PRIMARY, (DRY AND WET), INCLUDING PARTS AND SUPPLIES
36920	BATTERIES, PRIMARY, FOR FLASHLIGHTS, LANTERNS, HEARING AIDS, PHOTOFLASH AND RADIOS, ETC., INCLUDING PARTS AND SUPPLIES
36912	BATTERIES, STORAGE, EXCEPT S.L.I. TYPE, AND PARTS FOR ALL TYPES
36912	BATTERIES, STORAGE, OTHER THAN S.L.I., MOTIVE POWER TYPE, FOR LIGHTING, COMMUNICATION AND RAILWAY USE
36911	BATTERIES, STORAGE, S.L.I. (STARTING, LIGHTING, IGNITION) TYPE - (EXCLUDE PARTS)
30695	BATTERY BOXES, JARS AND PARTS, HARD RUBBER

Code	Product
36292	BATTERY CHARGERS AND ELIMINATORS, SEMICONDUCTOR, FOR AUTOMOTIVE, INDUSTRIAL AND RAILROAD
36942	BATTERY CHARGING GENERATORS FOR INTERNAL COMBUSTION ENGINES
26495	BATTERY SEPARATORS, PAPER
24995	BATTERY SEPARATORS, WOODEN
22930	BATTING, COTTON LINTER, RAW AND WASTE
22930	BATTING, WADDING AND MATTRESS FELTS - MADE FROM COTTON LINTERS, WASTE, AND RAW COTTON AND OTHER FIBERS INCLUDING MANMADE
37312	BATTLESHIPS, U.S. MILITARY, NEW CONSTRUCTION
19293	BAZOOKA ROCKETS
19990	BAZOOKAS (ROCKET PROJECTORS) AND PARTS
31417	BEACH AND SHOWER SLIPPERS, EXCEPT RUBBER
25143	BEACH FURNITURE, METAL
25117	BEACH FURNITURE, WOOD
23690	BEACH ROBES, TUFTED, GIRLS', CHILDREN'S AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
20324	BEAN SPROUTS, CANNED
20332	BEANS, BLUE LAKE, CANNED
20332	BEANS, CANNED, EXCEPT DRY
20323	BEANS, DRY, CANNED (INCLUDING BAKED, WITH OR WITHOUT PORK, SAUCE, CHILI CON CARNE, ETC.)
20332	BEANS, FRESH LIMA, CANNED
20332	BEANS, GREEN AND WAX, CANNED
33620	BEARINGS AND BUSHINGS, NONMACHINED, COPPER-BASE ALLOY
35621	BEARINGS, BALL
35629	BEARINGS, BALL AND ROLLER-PARTS AND COMPONENTS ONLY
35624	BEARINGS, MOUNTED BALL OR ROLLER
35661	BEARINGS, MOUNTED, PLAIN, EXCEPT AUTO AND AIRCRAFT
35661	BEARINGS, PLAIN EXCEPT AUTO AND AIRCRAFT
35663	BEARINGS, RAILROAD CAR JOURNALS
35622	BEARINGS, ROLLER
37141	BEARINGS, VEHICLE
35540	BEATERS AND JORDANS, PAPER MILL STOCK PREPARATION MACHINERY
39999	BEAUTY SHOP EQUIPMENT AND FURNITURE AND ACCESSORIES
36343	BED COVERINGS, ELECTRIC, HOUSEHOLD (EXCLUDING PARTS AND ATTACHMENTS FOR SUCH ITEMS)
23920	BED PILLOWS AND FANCY PILLOWS AND CUSHIONS, INCLUDING FOAM RUBBER, FROM PURCHASED FABRICS
22112	BED SHEETINGS, MUSLIN, 42-INCH AND WIDER (GRAY GOODS)
23926	BED SETS AND BED SPREADS, COTTON, MADE FROM PURCHASED FABRIC
22110	BED SETS AND BED SPREADS, COTTON, MADE IN BROADWOVEN FABRIC MILL
22114	BED TICKING, GRAY GOODS, MADE IN COTTON BROADWOVEN FABRIC MILLS
22114	BEDFORD CORDS, COTTON, COLORED YARN FABRICS (GRAY GOODS)
23413	BEDJACKETS, WOMEN'S AND CHILDREN'S, MADE OF WOVEN OR PURCHASED KNIT FABRIC
25155	BEDS-''CHAIR BEDS''
25116	BEDS, CHILDREN'S, WOOD, PAINTED OR FINISHED
25990	BEDS, HOSPITAL
25144	BEDS, METAL HOUSEHOLD
25115	BEDS, WOOD, PAINTED AND FINISHED, EXCEPT CHILDREN'S AND YOUTHS'
25117	BEDS, WOOD, UNPAINTED
25116	BEDS, YOUTH, WOOD, PAINTED OR FINISHED
22115	BEDSHEETINGS, FINE COTTON, COMBED (GRAY GOODS)
22116	BEDSPREAD FABRICS, INCLUDING JACQUARD-COTTON (GRAY GOODS)
22110	BEDSPREADS AND BED SETS, COTTON OR CHIEFLY COTTON, MADE IN BROADWOVEN FABRIC MILLS
22110	BEDSPREADS AND BED SETS JACQUARD-WOVEN, CHIEFLY OR WHOLLY COTTON, MADE IN BROADWOVEN FABRIC MILLS
23926	BEDSPREADS AND BED SETS, MADE FROM PURCHASED FABRIC
22219	BEDSPREADS AND BED SETS, OF MANMADE FIBER FABRICS AND SILK: MADE IN BROADWOVEN FABRIC MILLS
25153	BEDSPRINGS, INCLUDING BOX, COIL, FLAT, HOSPITAL, ETC.
20111	BEEF, BONELESS, INCLUDING HAMBURGER MADE IN SLAUGHTERING PLANTS
20111	BEEF, CORNED, NOT CANNED OR MADE INTO SAUSAGE
20111	BEEF, FRESH OR FROZEN, PRODUCED IN MEATPACKING ESTABLISHMENTS
20111	BEEF, GROUND, NOT CANNED OR MADE INTO SAUSAGE
20111	BEEF, NOT CANNED OR MADE INTO SAUSAGE
20111	BEEF, WHOLE CARCASS
34913	BEER BARRELS, METAL, AND PARTS
20820	BEER-CANS OR BOTTLES, CASE GOODS OR BARRELS AND KEGS
35857	BEER DISPENSING EQUIPMENT, REFRIGERATED
28424	BEESWAX, PROCESSED
35225	BEET HARVESTERS
20630	BEET SIRUP, EDIBLE
20630	BEET SUGAR MOLASSES
20630	BEET (SUGAR) PULP, WET, DRY, OR MOLASSES
20630	BEET SUGAR, REFINED, INCLUDING LIQUID AND GRANULATED
20332	BEETS, CANNED
35992	BELLOWS, METAL
39314	BELLS-MUSICAL INSTRUMENTS
31111	BELT, LEATHER, WAIST, FINISHED CATTLE
30691	BELTING AND BELTS, ''V'' OR FLAT, TRANSMISSION, RUBBER
31111	BELTING AND MECHANICAL LEATHER
31210	BELTING AND PACKING, LEATHER, INDUSTRIAL
22414	BELTING, PERSONAL WEAR, BRAIDED
22411	BELTING, PERSONAL WEAR, WOVEN
22411	BELTING, WOVEN, TRANSMISSION AND CONVEYOR
30691	BELTS AND BELTING, RUBBER
23890	BELTS, GARTER
23871	BELTS, APPAREL: , LEATHER
23872	BELTS, APPAREL: OTHER THAN LEATHER
30691	BELTS, RUBBER, CONVEYOR AND ELEVATOR
25143	BENCHES, METAL OUTDOORS
25311	BENCHES, SCHOOL (NOT STONE OR CONCRETE)
25121	BENCHES, UPHOLSTERED WOOD
25115	BENCHES, WOOD, PAINTED OR FINISHED, FOR BEDROOMS, EXCEPT UPHOLSTERED
25112	BENCHES, WOOD, PAINTED OR FINISHED, FOR LIVING ROOM, LIBRARY, SUNROOM, AND HALL, EXCEPT UPHOLSTERED
25117	BENCHES, WOODEN, OUTDOOR FURNITURE
26318	BENDER'S BOARD, WET MACHINE BOARD
35421	BENDING AND FORMING MACHINES, METAL WORKING USE
26315	BENDING PAPERBOARD, COMBINATION FURNISH, INCLUDING BENDING CHIP, KRAFT-LINED, WHITE-LINED AND CLAY COATED
22216	BENGALINES, COMBINATION FILAMENT-SPUN RAYON, AND/OR ACETATE FABRICS (GRAY GOODS)
23393	BERMUDA AND JAMAICA SHORTS, WOMEN'S, MISSES', AND JUNIORS', FROM PURCHASED FABRIC
24430	BERRY CUPS AND TILLS, VENEER AND PLYWOOD
27516	BEVERAGE (AND FOOD) CHECKS PRINTED BY LETTERPRESS
20872	BEVERAGE BASES, FLAVORING LIQUID (EXCEPT SIRUPS AND CONCENTRATED FRUIT JUICES)
35811	BEVERAGE COIN-OPERATED VENDING MACHINES
35853	BEVERAGE-COOLING AND DISPENSING EQUIPMENT (EXCEPT COIN-OPERATED), MECHANICAL, DRY OR WET TYPE
28790	BENZENE HEXACHLORIDE PREPARATIONS FOR AGRICULTURE
28181	BENZOYL PEROXIDE RESINATES, CYCLIC
26541	BEVERAGE CARTONS
32316	BEVERAGE MAKERS, GLASS, FROM PURCHASED GLASS
20860	BEVERAGES, CARBONATED, DIETETIC OR NONDIETETIC, BOTTLED AND CANNED
20820	BEVERAGES, CEREAL-MALT LIQUORS
20820	BEVERAGES, MALT
23963	BIAS BINDING, FOR APPAREL AND NOTION TRADE
27314	BIBLES
23690	BIBS, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
26472	BIBS, PAPER
23850	BIBS, PLASTIC AND RUBBERIZED (NOT ALL RUBBER)
22533	BIBS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
30113	BICYCLE CASINGS AND SINGLE TUBE TIRES
37510	BICYCLES, MOTORCYCLES, MOTORBIKES, SCOOTERS, AND PARTS
28332	BILE AND BILE DERIVATIVES, FROM ANIMALS, BULK
33528	BILLET, ALUMINUM EXTRUSION, PRODUCED IN ROLLING MILLS
33418	BILLET, ALUMINUM EXTRUSION, SECONDARY SMELTING
33348	BILLETS, ALUMINUM EXTRUDED IN PRIMARY REDUCTION PLANT
31720	BILLFOLDS, LEATHER OR PLASTIC
39493	BILLIARD AND POOL TABLES
35720	BILLING MACHINES, WITHOUT ACCOUNTING REGISTERS (INCLUDING ATTACHMENTS AND PARTS)
22981	BINDER TWINE, HARD FIBER TWINE
26451	BINDERS, EXCEPT LOOSELEAF
27822	BINDERS, LOOSELEAF
23963	BINDING, BIAS, FOR THE APPAREL AND NOTION TRADE
22411	BINDING TAPE, WOVEN
38311	BINOCULARS
24317	BINS, WOODEN, TO BE BUILT IN PER CUSTOM SPECIFICATIONS
34443	BINS AND VATS, SHEET METAL
28315	BIOLOGICAL PRODUCTS FOR VETERINARY USE
28152	BIOLOGICAL STAINS
20424	BIRD SEED
26412	BISCUIT AND CRACKER INNER WRAPS, WAXED AND WAXED-LAMINATED PAPER
20455	BISCUIT DOUGH, REFRIGERATED, MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
20415	BISCUIT DOUGH, REFRIGERATED--MADE FROM PREPARED MIXES--MADE IN FLOUR MILLS
20455	BISCUIT DRY MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20415	BISCUIT DRY MIXES (MADE IN FLOUR MILLS)
20521	BISCUITS
28199	BISMUTH COMPOUND
35331	BITS, ROTARY DRILLING EQUIPMENT, FOR OILFIELDS AND GASFIELDS
20874	BITTERS, ANGOSTURA
20874	BITTERS (FLAVORING CONCENTRATES)
35316	BITUMINOUS ASPHALT PLANT AND DISTRIBUTORS, FINISHERS, PAVERS, HEATERS, MIXERS
29510	BITUMINOUS CONCRETE
26461	BITUMINOUS FIBRE PIPE
28921	BLACK BLASTING POWDER, INDUSTRIAL
33123	BLACK PLATE , CARBON STEEL, TIN MILL PRODUCTS
29510	BLACK TOP PLANT MIX
20610	BLACKSTRAP MOLASSES (EXCEPT REFINERS' BLACKSTRAP)
20620	BLACKSTRAP, REFINERS' CANE
37295	BLADES FOR AIRCRAFT PROPELLER
34212	BLADES, RAZOR, EXCEPT ELECTRIC
34250	BLADES, SAWS
28163	BLANC FIXE, BARIUM SULFATE PRECIPITATED
27821	BLANKBOOK MANUFACTURING
23291	BLANKET-LINED JACKETS, MEN'S AND BOYS'
22114	BLANKET SHEETS, ELECTRIC, COTTON (GRAY GOODS)
22211	BLANKET SHELLS, ELECTRIC, 100 PERCENT FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22114	BLANKETING, COTTON (GRAY GOODS)
22217	BLANKETING, EXCEPT THERMAL, WHOLLY OR CHIEFLY SPUN ACRYLIC AND MODACRYLIC, 100% SPUN YARN, GRAY GOODS
22211	BLANKETING FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS), MADE IN BROADWOVEN FABRIC MILLS
22314	BLANKETING, FINISHED WOOL FABRIC
22212	BLANKETING NYLON (GRAY GOODS), 100% FILAMENT
22219	BLANKETS, BED AND CAMP, OF MANMADE FIBER FABRICS AND SILK: MADE IN BROADWOVEN FABRIC MILLS
22110	BLANKETS, BED, INCLUDING BABY BLANKETS AND CAMP, COTTON AND CHIEFLY COTTON, MADE IN BROADWOVEN FABRIC MILL
22319	BLANKETS, WOOL AND CHIEFLY WOOL FINISHED, CRIB AND REGULAR SIZE FOR BED, CAMP AND MOTOR ROBES
24262	BLANKS FOR TEXTILE MACHINERY PARTS, HARDWOOD, A DIMENSION MILL PRODUCT
35592	BLAST CLEANING EQUIPMENT, FOUNDRY MACHINERY
33121	BLAST FURNACE PRODUCTS
28921	BLASTING ACCESSORIES, INDUSTRIAL
28922	BLASTING ACCESSORIES PRODUCED IN GOVERNMENT-OWNED, CONTRACTOR-OPERATED PLANTS
28921	BLASTING FUSES (SAFETY), IGNITERS, SQUIBS AND BLACK POWDER
26312	BLEACHED PAPERBOARD, SPECIAL FOOD BOARD, SOLID WOODPULP FURNISH
26112	BLEACHED SULFITE AND SULFATE WOODPULP
25312	BLEACHER SEATS, PUBLIC BUILDING
22619	BLEACHING AND WHITE FINISHING OF COTTON BROADWOVEN FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
22617	BLEACHING AND WHITE FINISHING OF COTTON BROADWOVEN PURCHASED FABRICS
22117	BLEACHING AND WHITE FINISHING OF COTTON MADE IN BROADWOVEN FABRIC MILL
22629	BLEACHING AND WHITE FINISHING OF MANMADE FIBER AND SILK, BROADWOVEN FABRIC ON A COMMISSION (CONTRACT, ETC.) BASIS
22628	BLEACHING AND WHITE FINISHING OF MANMADE FIBER AND SILK BROADWOVEN PURCHASED FABRIC

Code	Product
22218	BLEACHING AND WHITE FINISHING OF MANMADE FABRIC AND SILK IN BROADWOVEN FABRIC MILLS
28192	BLEACHING COMPOUNDS, INORGANIC
35521	BLEACHING, DYEING AND FINISHING MACHINERY, TEXTILE
28192	BLEACHING POWDER (CHLORIDE OF LIME)
20853	BLENDS, WHISKEY, BOTTLED
25912	BLINDS, VENETIAN, VERTICAL AND HORIZONTAL
24318	BLINDS, WOOD, EXTERIOR
30794	BLISTER AND BUBBLE FORMED PACKAGING, PLASTICS
32710	BLOCK, CONCRETE, AGGREGATE (CINDER, SHALES, SLAG, SLATE, ETC.)
24261	BLOCK, HARDWOOD FLOORING
32933	BLOCK INSULATION, CONTAINING ASBESTOS AND MAGNESIA, ETC.
32962	BLOCKS AND BOARDS, MINERAL WOOL INSULATION
24994	BLOCKS, CORK
32316	BLOCKS, GLASS, FROM PURCHASED GLASS
26552	BLOCKS, PAPERBOARD
28311	BLOOD, AND DERIVATIVES, FOR HUMAN USE
20942	BLOOD, DRIED-FERTILIZER
23412	BLOOMERS, WOMEN'S AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
33122	BLOOMS, BILLETS, SLABS AND SHEET BARS, STEEL ALLOY, SEMIFINISHED SHAPES AND FORMS, CARBON, ALLOY, STAINLESS STEEL
23619	BLOUSES AND BLOUSETTES, GIRLS', CHILDREN'S AND INFANTS' (CONTRACT RECEIPTS)
23317	BLOUSES AND BLOUSETTES, WOMEN'S, MISSES', AND JUNIORS', WOVEN FABRIC
22532	BLOUSES, KNIT, CHILDREN'S MADE FROM YARN OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23610	BLOUSES, SIZE 1 TO 16, GIRLS, AND CHILDREN'S
23319	BLOUSES, WOMEN'S, MISSES', AND JUNIORS' (COMMISSION AND CONTRACT RECEIPTS)
23610	BLOUSETTES, GIRLS' AND CHILDREN'S
35222	BLOWERS, AND ELEVATORS, FARM MACHINERY, AND ATTACHMENTS
35641	BLOWERS AND FANS, INDUSTRIAL
35228	BLOWERS, FARM, INCLUDING ATTACHMENTS
32294	BLOWN AND PRESSED GLASSWARE, INCLUDING TECHNICAL AND SCIENTIFIC GLASSWARE, GLASS BLOCKS, AND LENS BLANKS
35331	BLOW-OUT PREVENTERS-WELL CONTROL EQUIPMENT FOR OILFIELDS AND GASFIELDS
38614	BLUEPRINTING, BROWNPRINTING AND VANDYKE EQUIPMENT
28993	BLUING
24996	BOARD, BUILDING, HARD PRESSED WOOD FIBER
26611	BOARD, BUILDING, INSULATING
24996	BOARD, HARD PRESSED FIBER
24993	BOARD, PARTICLE, INCLUDING MACHINE WOODBOARD FROM WOOD RESIDUE
26318	BOARD, WET MACHINE
24995	BOARDS, FOR BULLETINS, NOTICES, ETC., WOODEN
19410	BOARDS AND PLOTTING, SPOTTING, AND GUN FIRE ADJUSTMENT (SIGHTING AND FIRE CONTROL EQUIPMENT)
37324	BOAT REPAIR, ALL TYPES, MILITARY AND NONMILITARY
37992	BOAT TRAILERS
37321	BOATS, INBOARD MOTOR, ALL TYPES
37322	BOATS, OUTBOARD MOTOR, INCLUDING PREFABRICATED KITS
30695	BOATS, PONTOONS, LIFE RAFTS, OF RUBBER
22920	BOBBINETS, LACE NET
26552	BOBBINS, PAPERBOARD
35522	BOBBINS, SHUTTLES, SPOOLS AND PICKER STICKS, PARTS AND ATTACHMENTS FOR TEXTILE MACHINERY
24262	BODY PART STOCK, VEHICLE, HARDWOOD, A DIMENSION MILL PRODUCT
19110	BOFORS GUNS
34331	BOILER-BURNER UNITS, OIL, SOLD SEPARATELY EXCEPT PARTS
34443	BOILER JACKETS, SHEET METAL
34333	BOILERS, CAST IRON, HEATING, EXCEPT PARTS
34335	BOILERS, STEEL, HEATING
34433	BOILERS, STEEL POWER, AND PARTS, ATTACHMENTS, OVER 15 P.S.I.
20117	BOLOGNA, NOT CANNED, MADE IN MEATPACKING PLANT
20137	BOLOGNA, NOT CANNED, NOT MADE IN MEATPACKING PLANT
34521	BOLTS AND NUTS
24110	BOLTS, PULPWOOD, MADE IN LOGGING CAMP
19293	BOMBS AND PARTS
38312	BOMB SIGHTS, MADE IN OPTICAL PLANTS
19410	BOMB SIGHTS, NOT MADE IN OPTICAL PLANTS
26216	BOND AND WRITING PAPER
22991	BONDED FIBER FABRICS, NONWOVEN, TEXTILE
28163	BONE BLACK PIGMENT
32620	BONE CHINA
20942	BONE MEAL FOR FEED OR FERTILIZER
20110	BONES (PRODUCT OF SLAUGHTERING OPERATIONS)
23951	BONNAZ EMBROIDERIES (EXCEPT SCHIFFLI-MACHINE)
23850	BONNETS, RAIN, PLASTIC
39410	BOOKS, CHILDREN'S, COLORING AND PICTURE-WORD BOOKS
27322	BOOK AND PAMPHLET PRINTING AND BOOK BINDING, EXCEPT LITHOGRAPHIC (INCLUDING GRAVURE AND LETTERPRESS)
27321	BOOK AND PAMPHLET PRINTING AND BOOK BINDING, LITHOGRAPHIC PROCESS
26214	BOOK PAPER, BODY STOCK FOR COATING
26214	BOOK PAPER FOR PRINTING AND PUBLISHING, UNCOATED
26214	BOOK PAPER, UNCOATED
27322	BOOK PRINTING, EXCEPT LITHOGRAPHIC (INCLUDING GRAVURE AND LETTERPRESS)
27321	BOOK PRINTING, LITHOGRAPHIC PROCESS
27891	BOOKBINDING, EDITION, LIBRARY AND OTHER HARD COVERS FOR PUBLICATION BY OTHERS
27321	BOOKBINDING AND LITHOGRAPHIC PRINTING
27322	BOOKBINDING, EXCEPT LITHOGRAPHIC
35552	BOOKBINDING MACHINERY AND EQUIPMENT
25224	BOOKCASES, METAL OFFICE FURNITURE
25210	BOOKCASES, WOOD OFFICE FURNITURE
25112	BOOKCASES, WOOD, PAINTED OR FINISHED
25117	BOOKCASES, WOOD, UNPAINTED
22953	BOOKCLOTH, STARCH FILLED
32690	BOOKENDS, POTTERY
24995	BOOKENDS, WOODEN
35741	BOOKKEEPING MACHINES (INCLUDING BILLING MACHINES WITH ACCOUNTING REGISTERS)
25112	BOOKSHELVES, WOOD, PAINTED OR FINISHED
25420	BOOKSTACKS (LIBRARY, OFFICE AND SCHOOL) METAL SHELVING
27821	BOOKS, ACCOUNT, OTHER THAN SALESBOOKS, BLANKBOOK MAKING
27315	BOOKS, BOOK CLUB BOOKS
27315	BOOKS, JUVENILE, EXCEPT TOY BOOKS
27313	BOOKS, LAW, MEDICAL, INCLUDING DENTAL, NURSING
27322	BOOKS, PRINTING AND BINDING, EXCEPT LITHOGRAPHIC, HARDBOUND OR PAPERBOUND
27321	BOOKS PRINTED AND BOUND, LITHOGRAPHIC PROCESS, HARDBOUND OR PAPERBOUND
27314	BOOKS, RELIGIOUS
27613	BOOKS, SALES, PRINTED INDIVIDUAL ORDERS, OR STOCK, EXCLUDING IMPRINTING, FOR BUSINESS
27892	BOOKS, SOFT COVER BINDING
27312	BOOKS, SUBSCRIPTION, REFERENCE, HARDBOUND
27313	BOOKS, TECHNICAL, SCIENTIFIC, PROFESSIONAL
27311	BOOKS, TEXT, PRINTING AND PUBLISHING
27315	BOOKS, TRADE
19252	BOOSTER STAGES COMPLETE SPACE VEHICLES, EXCEPT ENGINES
36123	BOOSTERS, ELECTRICAL TRANSFORMERS
19291	BOOSTERS, FOR ARTILLERY AMMUNITION OVER 30 MM. (OR OVER 1.18 INCHES)
31310	BOOT AND SHOE CUT STOCK AND FINDINGS
22414	BOOT AND SHOE LACES, NOT LEATHER, BRAIDED NARROW FABRIC
24995	BOOT STRETCHERS, WOODEN
25990	BOOTHS, RESTAURANT
25410	BOOTHS, TELEPHONE, WOOD
23690	BOOTIES, GIRLS' AND INFANTS', MADE FROM PURCHASED KNIT FABRIC (SIZES 0 TO 3)
22533	BOOTIES, KNIT FABRIC, INFANTS', MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
30210	BOOTS, WATERPROOF
28197	BORAX, SODIUM BORATE
35411	BORING MACHINES, METAL-CUTTING TYPE
28163	BARIUM SULFATE PIGMENT
28332	BOTANICAL DERIVATIVES, IN BULK
28332	BOTANICAL DRUGS, IN BULK
28790	BOTANICAL PREPARATIONS AND/OR CONCENTRATES FOR AGRICULTURAL USE
26451	BOTTLE CAPS, PAPERBOARD, DIE-CUT
35595	BOTTLE-FORMING MACHINES
35511	BOTTLE WASHERS AND STERILIZERS, DAIRY
35513	BOTTLE WASHERS AND STERILIZERS, FOR INDUSTRIAL FOOD PRODUCTS
20860	BOTTLED AND CANNED SOFT DRINKS, DIETETIC OR NONDIETETIC
20853	BOTTLED LIQUORS
30798	BOTTLES, NURSING, PLASTICS (INCLUDING NIPPLES AND PACIFIERS)
30794	BOTTLES, PLASTICS
34293	BOTTLES, VACUUM AND INSULATED
35511	BOTTLING MACHINERY FOR DAIRIES
35513	BOTTLING MACHINERY FOR FOODS (EXCEPT DAIRIES), LIQUORS, BEER, WINE, AND BEVERAGES
20851	BOURBON (RAW), DISTILLED
39493	BOWLING ALLEYS AND PLAYING SUPPLIES
24995	BOWLS, WOODEN
35540	BOX, CARTON AND SHIPPING CONTAINER MAKING MACHINES (PAPER)
35531	BOX AND CRATE MAKING MACHINERY, WOOD
24412	BOX SHOOK, FOR INDUSTRIAL USE, MADE OF LUMBER, VENEER, AND PLYWOOD
24412	BOX SHOOK: FRUIT, VEGETABLE, ETC., MADE FROM LUMBER, VENEER, AND PLYWOOD
31310	BOX TOES FOR SHOES
26491	BOXED STATIONERY AND PORTFOLIOS, PAPER
30794	BOXES AND CASES, PLASTICS
34990	BOXES AND CHESTS FOR AMMUNITION, METAL
26530	BOXES, CORRUGATED AND SOLID FIBER
26510	BOXES, FOLDING, PAPERBOARD, EXCEPT ICE CREAM, BUTTER, MARGARINE
34990	BOXES FOR PACKING AND SHIPPING, STEEL
36443	BOXES, METAL AND NONMETAL, ELECTRIC
26520	BOXES, PAPERBOARD SETUP, FOR TEXTILES, DEPARTMENT STORES, CONFECTIONS, COSMETICS, ETC.
30798	BOXES, PLASTICS (GLOVE BOXES, LINGERIE AND SWEATER BOXES, ETC.)
26520	BOXES, SETUP, PAPERBOARD
26552	BOXES, VULCANIZED FIBER
24420	BOXES, WIREBOUND, MADE FROM LUMBER, VENEER, AND PLYWOOD
24420	BOXES, WIREBOUND, WOOD, FOR FRUIT AND VEGETABLES, MEAT AND POULTRY (NOT CANNED)
24411	BOXES, WOODEN, NAILED AND LOCK-CORNER, INCLUDING COMBINATION WOOD AND FIBER
39493	BOXING EQUIPMENT
31413	BOYS' AND YOUTHS' SHOES
22523	BOYS' FINISHED SEAMLESS HOSIERY, SLACK AND KNEE-LENGTH SOCKS, ATHLETIC AND CREW SOCKS
22524	BOYS' HOSIERY, ALL TYPES, SHIPPED IN THE GREIGE
39111	BRACELETS AND ANKLETS OF PLATINUM AND CARAT GOLD
39112	BRACELETS AND ANKLETS OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
38421	BRACES, ORTHOPEDIC AND ELASTIC APPLIANCES
24317	BRACKETS, WOOD, CABINETS AND SHELF
24318	BRACKETS, WOOD, STAIR
33992	BRADS, NONFERROUS, PRIMARY
23963	BRAID AND OTHER MILLINERY TRIMMINGS
22414	BRAID, ELECTRIC INSULATING, AND RICKRACK, NARROW FABRIC MILL PRODUCT
22790	BRAIDED CARPETS AND RUGS
22983	BRAIDED CORD, COTTON
22414	BRAIDED NARROW FABRICS, INCLUDING ELASTIC
22690	BRAIDED, WOVEN, ETC. NARROW FABRICS, FINISHED, EXCEPT KNIT AND WOOL (FABRIC BRAIDED, WOVEN, ETC. ELSEWHERE)
35521	BRAIDING MACHINERY, TEXTILE
37141	BRAKE CYLINDERS, MOTOR VEHICLE
32922	BRAKE LININGS, ASBESTOS
35484	BRAKE TESTING AND LINING APPLIERS, AUTOMOTIVE
20440	BRAN, RICE
20412	BRAN, WHEAT
20840	BRANDY AND BRANDY SPIRITS
20840	BRANDY AND SPIRITS REMOVED FROM RECEIVING TANKS
23421	BRASSIERES, BRA-LETTES
36312	BRAZIERS (OUTDOOR COOKING)
20511	BREAD, ALL KINDS OF LEAVENED, INCLUDING WHITE, WHOLE WHEAT, RYE, RAISIN, ETC.
20415	BREAD AND BREAD-TYPE ROLL DOUGH, REFRIGERATED, INCLUDING DINNER, SWEET, DANISH, MADE IN FLOUR MILLS
20455	BREAD AND BREAD-TYPE ROLL DOUGH, REFRIGERATED, MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
20415	BREAD AND BREAD-TYPE ROLL-DRY, MIXED, MADE IN FLOUR MILLS
20455	BREAD AND BREAD-TYPE ROLLS, DRY MIXES MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT

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20511	BREAD STUFFING AND BREAD CRUMBS
26412	BREAD WRAPS, PAPER, WAXED, PRINTED OR UNPRINTED
36946	BREAKER POINT SETS, ENGINE ELECTRICAL EQUIPMENT
25141	BREAKFAST CHAIRS AND TABLES, METAL
23840	BREAKFAST COATS, WOMEN'S, MISSES', AND JUNIORS'
20430	BREAKFAST FOODS (CEREALS), READY TO SERVE AND TO BE COOKED
20117	BREAKFAST SAUSAGE LINKS, NOR CANNED, MADE IN MEATPACKING PLANT
20137	BREAKFAST SAUSAGE LINKS, NOT CANNED, NOT MADE IN MEAT-PACKING PLANT
25113	BREAKFAST SETS (FURNITURE), WOOD, PAINTED OR FINISHED
25112	BREAKFRONTS, WOOD FURNITURE, PAINTED OR FINISHED
20820	BREWERS' SPENT GRAINS, DRY OR WET
32592	BRICK, ADOBE
32550	BRICK AND SHAPES, CLAY REFRACTORIES
32511	BRICK, BUILDING OR COMMON AND FACE
32710	BRICK, CONCRETE
32511	BRICK, EXCEPT CERAMIC GLAZED AND REFRACTORY BRICK
32512	BRICK, GLAZED AND STRUCTURAL HOLLOW TILE
32511	BRICK, PAVING, FLOOR AND SEWER
32970	BRICK, REFRACTORY, BAUXITE, CARBON, ETC., NONCLAY
32990	BRICK, SAND-LIME
35595	BRICK, TILE AND CERAMIC MACHINERY, CLAYWORKING
32723	BRIDGE BEAMS, PRESTRESSED CONCRETE
35690	BRIDGE OPERATING MACHINERY
34412	BRIDGES, HIGHWAY AND RAILWAY, FABRICATED STRUCTURAL METAL
24331	BRIDGES, WOOD STRUCTURAL ELEMENTS
31610	BRIEFCASES, ALL MATERIALS
27514	BRIEFS, FINANCIAL AND LEGAL LETTERPRESS, PRINTED
22541	BRIEFS, KNIT UNDERWEAR, MEN'S AND BOYS', MADE FROM YARNS OR FABRIC KNIT IN THE SAME ESTABLISHMENT
23221	BRIEFS, MEN'S AND BOYS', MADE OF WOVEN OR PURCHASED KNIT FABRIC
22542	BRIEFS, STEPINS AND PETTIPANTS (WOMEN'S), KNIT IN THE SAME ESTABLISHMENT
28424	BRIGHTENERS, METAL
26215	BRISTOLS, FINE PAPER, (EXCEPT COTTON FIBER INDEX AND BOGUS)
35451	BROACHES, HIGH SPEED STEEL OR CARBIDE TIPPED, SMALL CUTTING TOOLS
39111	BROACHES, PINS, CLIPS, EARRINGS, OF PLATINUM AND CARAT GOLD
39112	BROACHES, PINS, CLIPS, EARRINGS OF PRECIOUS METAL, EXCEPT PLATINUM AND CARAT GOLD
35418	BROACHING MACHINES (METAL-CUTTING)
36622	BROADCAST EQUIPMENT FOR A.M., F.M., T.V.
36112	BROADCAST TRANSMITTER TEST EQUIPMENT
22113	BROADCLOTHS, CARDED, COTTON (GRAY GOODS)
22115	BROADCLOTHS, FINE COTTON, COMBED AND PART COMBED (GRAY GOODS)
27515	BROCHURES, LETTERPRESS PRINTED
27518	BROCHURES, PRINTED BY GRAVURE
27525	BROCHURES, PRINTED BY LITHOGRAPHIC PROCESS
27519	BROCHURES, SCREEN PROCESS PRINTING
36343	BROILERS, ELECTRIC, TABLE, HOUSEHOLD (EXCLUDING PARTS AND ATTACHMENTS FOR SUCH ITEMS)
28344	BRONCHIAL DILATORS INCLUDING ANTIASTHMATICS (FOR RELIEF OF BRONCHIAL SPASM OR CONGESTION)
35228	BROODERS, FARM POULTRY EQUIPMENT
28199	BROMINE (ISOLATED)
24317	BROOM CLOSETS, WOOD, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
39911	BROOMS
35319	BROOMS, POWER AND TRACTION DRIVEN
20630	BROWN SUGAR, BEET
20620	BROWN SUGAR, CANE
23840	BRUNCH, BREAKFAST COATS AND HOUSECOATS, WOMEN'S, MISSES', AND JUNIORS', COTTON AND ALL OTHER FABRICS
24262	BRUSH STOCK, HARDWOOD, A DIMENSION MILL PRODUCT
36240	BRUSHES AND BRUSH-PLATES OF CARBON, GRAPHITE
36240	BRUSHES, ELECTRICAL, AUTOMOTIVE, FRACTIONAL H.P. AND INDUSTRIAL, CARBON AND GRAPHITE
39913	BRUSHES, EXCEPT PAINT
39912	BRUSHES, PAINT AND VARNISH
30698	BRUSHES, RUBBER
28445	BUBBLE BATH
34250	BUCK SAW (HAND)
24450	BUCKETS, WOODEN, SLACK AND TIGHT COOPERAGE
39642	BUCKLES, FOR WEARING APPAREL
20416	BUCKWHEAT FLOUR
25113	BUFFETS, DINING ROOM, WOODEN, PAINTED OR FINISHED
32913	BUFFING AND POLISHING WHEELS AND LAPS MADE OF CLOTH, LEATHER, AND FELT
34294	BUILDERS' HARDWARE
24996	BUILDING BOARD, HARD PRESSED WOOD FIBER
26611	BUILDING BOARD, INSULATING
32751	BUILDING MATERIALS, GYPSUM
26612	BUILDING PAPER, CONSTRUCTION
26495	BUILDING PAPERBOARD (LAMINATED, TILED)
24332	BUILDING PARTS, SECTIONS AND PANELS, WOOD, FOR PREFABRICATED AND READY-CUT BUILDINGS, NOT SOLD AS COMPLETE UNITS
33579	BUILDING WIRE AND CABLE
34492	BUILDINGS, PORTABLE, METAL AND PREFABRICATED
24332	BUILDINGS, PORTABLE TYPE, WOOD, PREFABRICATED AND ASSEMBLED IN THIS ESTABLISHMENT
24332	BUILDINGS, PREFABRICATED WOOD, ASSEMBLED IN THIS ESTABLISHMENT
24332	BUILDINGS, WOOD, PREFABRICATED, SOLD AS COMPLETE UNITS, INCLUDING THOSE SHIPPED IN SECTIONS OR PANELS
24332	BUILDINGS, WOOD, READY-CUT, INCLUDING PARTS
36410	BULBS FOR ELECTRIC LAMPS, INCLUDING SEALED BEAM LAMPS
19610	BULLET CORES, 30 MM. (OR 1.18 INCHES) AND UNDER
19610	BULLET JACKETS AND CORES FOR ARMS, 30 MM. (1.18 INCHES) AND UNDER
24995	BULLETIN BOARDS, WOODEN
25115	BUNK BEDS, WOOD, FINISHED AND PAINTED, EXCLUDING MATTRESSES AND DETACHABLE SPRINGS
22533	BUNTINGS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23690	BUNTINGS, MADE FROM PURCHASED KNIT FABRIC
30792	BUOYS AND FLOATS, MADE OF PLASTICS
39943	BURIAL BOXES, OUTER, EXCEPT CONCRETE
39943	BURIAL GARMENTS
32722	BURIAL VAULTS AND BOXES, PRECAST CONCRETE
39943	BURIAL VAULTS, METAL, PLASTIC, GLASS, MASONITE
22992	BURLAP AND BURLAP BAGS, MADE IN TEXTILE MILLS
23930	BURLAP BAGS, MADE OF PURCHASED FABRIC
38430	BURS, DIAMOND AND ABRASIVE POINTS, WHEELS AND DISKS DENTAL EQUIPMENT
30112	BUS AND OFF-THE-ROAD PNEUMATIC TIRES
37130	BUS AND TRUCK BODIES, FOR SALE SEPARATELY
37150	BUS TRAILERS, TRACTOR TYPE
35661	BUSHINGS AND BEARINGS, PLAIN, EXCEPT AUTOMOBILE AND AIRCRAFT
27214	BUSINESS AND PROFESSIONAL PERIODICAL PUBLISHING: ADVERTISING RECEIPTS
27213	BUSINESS AND PROFESSIONAL PERIODICAL PUBLISHING: RECEIPTS FROM SUBSCRIPTIONS AND SALES
37130	BUSSES, COMPLETE VEHICLE, BODY MOUNTED ON PURCHASED CHASSIS
37141	BUSSES, EXCEPT TROLLEY BUSSES, PARTS AND ACCESSORIES ONLY
37113	BUSSES, MOTOR, CHASSIS OF OWN MANUFACTURE, EXCEPT TROLLEY BUSSES
27313	BUSINESS BOOKS
27611	BUSINESS FORMS, CONTINUOUS
27516	BUSINESS FORMS PRINTED BY LETTERPRESS, EXCLUDING BLANKBOOK AND LOOSELEAF FORMS
27526	BUSINESS FORMS, PRINTED BY LITHOGRAPHIC PROCESS
26495	BUSINESS MACHINE PAPER SUPPLIES
27215	BUSINESS NEWS PERIODICALS: RECEIPTS FROM SUBSCRIPTION AND SINGLE COPY SALES
27412	BUSINESS SERVICE PUBLICATIONS
34211	BUTCHERS' AND MEATPACKING CUTLERY
26218	BUTCHER PAPER, TREATED AND UNTREATED, EXCEPT UNBLEACHED KRAFT
26217	BUTCHER PAPER, WRAPPING, TREATED OR UNTREATED, UNBLEACHED KRAFT
35511	BUTTER AND CHEESE PROCESSING, WRAPPING, AND PACKAGING MACHINERY AND EQUIPMENT
35222	BUTTER CHURNS, (FARM SIZE)
20728	BUTTER, COCOA, MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT
20210	BUTTER, CREAMERY, CHURNED IN SAME ESTABLISHMENT
20210	BUTTER FAT, ANHYDROUS
20338	BUTTER, FRUIT
20210	BUTTER OIL
20999	BUTTER, PEANUT
20261	BUTTERMILK, FLUID BULK
20264	BUTTERMILK, FLUID, PACKAGED IN THIS PLANT
20231	BUTTERMILK, DRY
23959	BUTTON HOLING FOR THE TRADE (CONTRACT RECEIPTS)
39630	BUTTONS AND PARTS (EXCEPT PRECIOUS AND SEMIPRECIOUS METALS AND PRECIOUS OR SEMIPRECIOUS STONES)
28182	BUTYL ACETATE, ACYCLIC
37321	CABIN CRUISERS, INBOARD POWERED BOATS
37322	CABIN CRUISERS, OUTBOARD POWERED BOATS
24315	CABINET DOORS, WOOD
34294	CABINET HARDWARE, INCLUDING CABINET HINGES
25410	CABINET TOPS, PLASTIC LAMINATED WOOD
25223	CABINETS AND CASES, METAL, OFFICE
24317	CABINETS, BASE UNITS, WOOD, BUILT PER CUSTOM SPECIFICATIONS
24317	CABINETS, KITCHEN, WOOD, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
25420	CABINETS, METAL, FLOOR AND WALL TYPE
25144	CABINETS, METAL, FOR RADIO, PHONOGRAPH, TV, HI-FI
25142	CABINETS, METAL, KITCHEN
25144	CABINETS, METAL, MEDICINE, WALL
25190	CABINETS, PLASTIC, FOR RADIO, PHONOGRAPH, TV, HI-FI
35853	CABINETS, REFRIGERATOR, COMMERCIAL, MECHANICAL
36321	CABINETS, REFRIGERATOR (WOOD OR METAL), HOUSEHOLD ONLY
25114	CABINETS, SINK BASES AND FRONTS, WOOD, KITCHEN, FINISHED AND PAINTED (FACTORY MADE)
25113	CABINETS, WOOD, DINING ROOM, PAINTED OR FINISHED
25410	CABINETS, WOOD (FLOOR OR WALL TYPE)
25114	CABINETS, WOOD, FOR KITCHEN, PAINTED OR FINISHED FACTORY MADE
25210	CABINETS, WOOD, OFFICE, INCLUDING FILE CABINETS
25112	CABINETS, WOOD, PAINTED OR FINISHED, FOR LIVING ROOM, LIBRARY, SUNROOM, AND HALL
25111	CABINETS, WOOD, PAINTED OR FINISHED, FOR RADIO, PHONOGRAPH, HI-FI, TV, AND COMBINATION
24317	CABINETWORK, WOOD, BUILT PER CUSTOM SPECIFICATION
33571	CABLE, ALUMINUM, BARS, INCLUDING ACSR PRODUCED IN A WIREDRAWING ESTABLISHMENT
33521	CABLE, ALUMINUM, BARS, INCLUDING ACSR PRODUCED IN A ROLLING MILL
33579	CABLE, BUILDING
33574	CABLE, COMMUNICATION, PRODUCED IN WIREDRAWING ESTABLISHMENT
33572	CABLE, COPPER AND COPPER BASE ALLOY, BARE AND TINNED, FOR ELECTRICAL TRANSMISSION, PRODUCED IN WIREDRAWING ESTABLISHMENT
22981	CABLE, HARD FIBER, SUCH AS AGAVE, ABACA, ETC.
33578	CABLE, POWER
35319	CABLE, POWER CONTROL UNITS, TRACTOR-MOUNTING
36941	CABLE SETS (AUTOMOTIVE AND AIRCRAFT TYPE)
35332	CABLE TOOL DRILLING MACHINERY AND EQUIPMENT FOR OILFIELD AND GASFIELD DRILLING
35334	CABLE TOOL, PORTABLE DRILLING RIGS FOR OILFIELD AND GASFIELD OR WATER WELLS AND BLAST HOLES
34811	CABLE, WIRE, FERROUS, NONINSULATED, NOT MADE BY WIREDRAWERS
33151	CABLE, WIRE, ROPE, FERROUS, NONINSULATED, FROM WIREDRAWN IN SAME ESTABLISHMENT
31114	CABRETTA LEATHERS, FINISHED
23114	CADETS' AND STUDENTS' SUITS AND COATS FOR BOYS
23271	CADETS TROUSERS, SEPARATE
33416	CADMIUM, UNALLOYED, SECONDARY SMELTING AND REFINING
33397	CADMIUM, UNALLOYED, SMELTED OR REFINED, PRIMARY
28331	CAFFEINE, SYNTHETIC, BULK
33159	CAGES, STEEL WIRE, MADE IN WIREDRAWING PLANT
34819	CAGES, STEEL WIRE, NOT PRODUCED BY WITHDRAWERS
20914	CAKE AND MEAL, COTTONSEED BYPRODUCTS
20933	CAKE AND MEAL, MADE FROM ANY VEGETABLE OIL EXCEPT COTTONSEED AND SOYBEAN
20922	CAKE AND MEAL, SOYBEAN
20455	CAKE, DRY, MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20415	CAKE MIXES, DRY (MADE IN FLOUR MILLS)
20517	CAKE TYPE DOUGHNUTS, BAKING POWDER LEAVENED
20512	CAKES, "COFFEE CAKE," YEAST RAISED
20513	CAKES, SOFT, ALL TYPES, INCLUDING POUND, LAYER, FRUIT, ETC.
28199	CALCIUM COMPOUNDS
28331	CALCIUM GLUCONATE, SYNTHETIC, BULK
28192	CALCIUM HYPOCHLORIDE
35741	CALCULATING MACHINES
35743	CALCULATING AND ACCOUNTING MACHINES, PARTS AND ATTACHMENTS
27516	CALENDARS AND CALENDAR PADS PRINTED BY LETTERPRESS

Code	Product
27526	CALENDARS AND CALENDAR PADS PRINTED BY LITHOGRAPHIC
31112	CALF AND WHOLE KIP LEATHERS, FINISHED
35452	CALIPERS AND DIVIDERS, MACHINISTS PRECISION TOOL
28342	CALMING AGENTS, PROPRIETARY PREPARATIONS
38311	CALORIMETERS OPTICAL INSTRUMENTS
31610	CAMERA AND BINOCULAR CASES, ALL MATERIALS
38614	CAMERAS, MICROFILMING
38613	CAMERAS, MOTION PICTURE
38611	CAMERAS, STILL
34492	CAMP BUILDINGS, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
36312	CAMP STOVES
37991	CAMPING TRAILERS, COLLAPSIBLE
28331	CAMPHOR, SYNTHETIC, BULK
36343	CAN OPENERS, ELECTRIC (EXCLUDING PARTS AND ATTACHMENTS FOR SUCH ITEMS)
34232	CAN OPENERS EXCEPT ELECTRIC
20715	CANDIES, PENNY GOODS, OTHER THAN BARS (RETAILING IN UNITS OF 4 CENTS OR LESS)
39994	CANDLES AND TAPERS
20711	CANDY, BAR, (EXCEPT SOLID CHOCOLATE BARS)
20722	CANDY BARS, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT, ALL TYPES INCLUDING DARK AND MILK CHOCOLATE WITH OR WITHOUT NUTS
20716	CANDY BARS, MADE FROM PURCHASED CHOCOLATE, ALL TYPES, INCLUDING DARK MILK CHOCOLATE, WITH OR WITHOUT NUTS
20714	CANDY, BULK, EXCEPT SOLID CHOCOLATE
20712	CANDY, FIVE AND TEN CENT SPECIALTIES (OTHER THAN BARS AND COUGH DROPS)
20713	CANDY, PACKAGE GOODS (EXCEPT SOLID CHOCOLATE)
25190	CANE FURNITURE
20610	CANE SIRUP
20610	CANE SUGAR, RAW
20620	CANE SUGAR, REFINING ONLY
39997	CANES, PARASOLS, UMBRELLAS
20321	CANNED BABY FOODS (EXCEPT MEAT, CEREAL, AND BISCUITS)
20323	CANNED DRY BEANS
20310	CANNED FISH, EXCEPT FROZEN
20334	CANNED FRUIT JUICES, (INCLUDING CONCENTRATED) EXCEPT FROZEN
20331	CANNED FRUITS
20333	CANNED HOMINY
20118	CANNED MEATS (EXCEPT DOG AND CAT FOOD), CANNED IN MEATPACKING PLANT (PRODUCTS CONTAINING 20% OR MORE MEAT)
20138	CANNED MEATS (EXCEPT DOG AND CAT FOOD) NOT CANNED IN MEATPACKING PLANT (PRODUCTS CONTAINING 20% OR MORE MEAT)
20232	CANNED MILK (SHIPPED IN CONSUMER TYPE PACKAGES)
20324	CANNED MINCEMEAT
20333	CANNED MUSHROOMS, EXCEPT FROZEN
20716	CANNED NUT MEATS
20154	CANNED POULTRY, EXCEPT SOUPS
20310	CANNED SEAFOOD, EXCEPT FROZEN
20310	CANNED SEAFOOD SOUP, STEWS, AND CHOWDERS, EXCEPT FROZEN
20322	CANNED SOUPS (EXCEPT FROZEN OR SEAFOOD)
20324	CANNED SPAGHETTI, WITH OR WITHOUT MEAT
20324	CANNED SPECIALTIES, OTHER THAN BABY FOOD, SOUPS, AND DRY BEANS
20335	CANNED VEGETABLE JUICES
20332	CANNED VEGETABLES
35513	CANNING AND PACKING MACHINERY FOR FRUIT AND VEGETABLES, INCLUDING PARTS AND ATTACHMENTS
37323	CANOES
34618	CANS--ASH, GARBAGE, ETC. (EXCLUDING SHIPPING CONTAINERS AND EXCLUDING SMALL METAL CANS FOR FOOD, PAINT, ETC.)
26552	CANS, FIBER, WITH OR WITHOUT METAL ENDS
34110	CANS, METAL
30794	CANS, PLASTICS, PACKAGING AND SHIPPING CONTAINERS
23940	CANVAS, AIR CUSHIONS INFLATED FROM PURCHASED FABRICS
23940	CANVAS, AIR SUPPORTED STRUCTURES, MADE FROM PURCHASED FABRIC
23940	CANVAS AND RELATED PRODUCTS, FROM PURCHASED FABRICS MADE FROM COTTON, NYLON, POLYESTER AND OTHER INDUSTRIAL FABRICS
23940	CANVAS, FUEL CONTAINERS FROM PURCHASED FABRIC
30210	CANVAS SHOES, RUBBER SOLED
34521	CAP AND SET SCREWS
23961	CAP FRONTS, MEN'S AND BOYS' APPAREL FINDINGS, FOR SALE AS SUCH
36112	CAPACITOR MEASURING EQUIPMENT
36291	CAPACITORS, A.C., EXCEPT ELECTROLYTIC FOR MOTORS, CONTROLS AND FLUORESCENT LAMP BALLASTS
36792	CAPACITORS AND CONDENSERS, VARIABLE, FOR ELECTRONIC APPLICATION
23371	CAPES, WOMEN'S, MISSES' AND JUNIORS' INCLUDING FUR-TRIMMED, BUT EXCLUDING 100 PERCENT FUR
23890	CAPS, ACADEMIC
28212	CAPS AND BANDS, CELLULOSIC PRODUCTS, REGENERATED
30794	CAPS AND CLOSURES, PLASTICS
23522	CAPS AND HATS, CLOTH, INCLUDING UNIFORM FOR MEN, BOYS, AND WOMEN
23850	CAPS, BATH AND SHOWER, EXCEPT RUBBER
26451	CAPS, BOTTLE, PAPERBOARD, DIE-CUT
19293	CAPS FOR BOMBS, AMMUNITION
23860	CAPS, LEATHER AND SHEEP-LINED
19610	CAPS, PERCUSSION, FOR AMMUNITION, 30 MM. (OR 1.18 INCHES) AND UNDER
28344	CAPSULES AND TABLETS FOR COUGHS AND COLDS, PHARMACEUTICAL, FOR HUMAN USE
25144	CAR BEDS AND SEATS, BABY, METAL
23112	CAR COATS, TAILORED, FOR MEN
37311	CAR FLOATS, NONPROPELLED SHIPS, NEW
34443	CARPORTS, SHEET METAL
20874	CARAMEL SIRUPS
20714	CARAMELS
36426	CARBIDE LAMPS
36426	CARBIDE LAMPS OF ALL TYPES
19512	CARBINES, 30 MM. (OR 1.18 INCHES) AND UNDER
36240	CARBON AND GRAPHITE PRODUCTS FOR CHEMICAL, METALLURGICAL, AND REFRACTORY USE
28199	CARBON, ACTIVATED, INORGANIC CHEMICAL
36240	CARBON AND GRAPHITE PRODUCTS INCLUDING BRUSH AND BRUSH PLATE, ELECTRODES AND SPECIALTIES
36240	CARBON AND GRAPHITE SPECIALTIES FOR MECHANICAL USES INCLUDING BUSHINGS AND BEARINGS, PACKING RINGS
28182	CARBON BISULFIDE AND DISULFIDE, ACYCLIC
28163	CARBON BLACK (BONE AND LAMP) EXCLUDING FURNACE AND CHANNEL CARBON BLACK AND CHARCOAL
28950	CARBON BLACK, CHANNEL AND FURNACE PROCESS ONLY
28133	CARBON DIOXIDE, INDUSTRIAL
39550	CARBON PAPER, AND INKED RIBBONS
28182	CARBON TETRACHLORIDE
20860	CARBONATED BEVERAGES, NONALCOHOLIC-DIETETIC OR NONDIETETIC, BOTTLED AND CANNED
20860	CARBONATED WATER, BOTTLED AND CANNED, DIETETIC OR NONDIETETIC
35991	CARBURETORS, ALL TYPES
27413	CARD-PUBLISHING, EXCEPT GREETING CARDS
25144	CARD TABLES AND CHAIRS, METAL
25144	CARD TABLES AND CHAIRS, METAL HOUSEHOLD FURNITURE
25112	CARD TABLES, FOLDING AND UNFOLDING, WOODEN, PAINTED OR FINISHED
22811	CARDED COTTON YARN, GRAY OR FINISHED IN YARN SPINNING MILLS
23690	CARDIGANS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM PURCHASED KNIT FABRICS
22531	CARDIGANS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23292	CARDIGANS, MEN'S, YOUTHS' AND BOYS', FROM PURCHASED KNIT FABRIC
36930	CARDIOGRAPHS
26451	CARDS, DIE-CUT AND DESIGNED (NOT PRINTED)
27712	CARDS, GREETING, PRINTED FOR PUBLICATION BY OTHERS
27711	CARDS, GREETING, PUBLISHERS SALES
26451	CARDS, INDEX OR GUIDE-PAPER, DIE-CUT
26451	CARDS, MACHINE TABULATION
27516	CARDS, PLAYING, PRINTED BY LETTERPRESS
27526	CARDS, PLAYING, PRINTED BY LITHOGRAPH
27711	CARDS, SEASONAL, AND OTHER GREETING CARDS PUBLISHERS SALES
26451	CARDS, TIME RECORDING, DIE-CUT
37312	CARGO SHIPS, MILITARY, NEW, SELF-PROPELLED
30693	CARPET AND RUG CUSHIONS, CHEMICALLY BLOWN SPONGE
30792	CARPET AND RUG CUSHIONS, FOAMED PLASTICS
30693	CARPET AND RUG CUSHIONS, LATEX RUBBER FOAM
22910	CARPET LININGS, FELT, EXCEPT WOVEN
35892	CARPET SWEEPERS, COMMERCIAL, INCLUDING PARTS AND ACCESSORIES
22814	CARPET YARNS, SPUN, MANMADE FIBER AND SILK-GRAY OR FINISHED IN YARN SPINNING MILLS
22813	CARPET YARNS, SPUN, RAYON AND/OR ACETATE, GRAY OR FINISHED IN SPINNING MILLS
22832	CARPET YARNS, WOOL, INCLUDING TUFTING AND WEAVING OF NEW, REUSED AND REPROCESSED WOOL
24994	CARPETS, CORK
22790	CARPETS, EXCEPT WOVEN OR TUFTED
22720	CARPETS, TUFTED, INCLUDING FINISHING
22710	CARPETS, WOVEN, CHIEFLY COTTON OR MANMADE FIBER PILE YARNS
22710	CARPETS, WOVEN, CHIEFLY WOOL PILE YARNS
19110	CARRIAGES, FOR HEAVY WEAPONS OVER 30 MM. (OR OVER 1.18 INCHES)
20332	CARROTS AND PEAS, CANNED
20332	CARROTS, CANNED
37115	CAR BODIES, PASSENGER
37422	CARS, FREIGHT TRAIN, NEW
37111	CARS, PASSENGER, KNOCKED-DOWN OR ASSEMBLED AND CHASSIS FOR SALE SEPARATELY
37421	CARS, PASSENGER TRAINS, NEW
37423	CARS, RAPID TRANSIT
35321	CARS, UNDERGROUND MINE, TRACK OR SHUTTLE
26510	CARTONS, FOLDING, PAPERBOARD, EXCEPT ICE CREAM, BUTTER, MARGARINE
26543	CARTONS, ICE CREAM, BUTTER, OLEO, SHORTENING, ETC.
26542	CARTONS, LIQUID-TIGHT FOOD CONTAINERS
26541	CARTONS, MILK AND BEVERAGES
26462	CARTONS, PRESSED AND MOLDED PULP GOODS
19610	CARTRIDGE CASES FOR AMMUNITION, 30 MM. (OR 1.18 INCHES) AND UNDER
19610	CARTRIDGES, FOR SMALL FIREARMS, 30 MM. (1.18 INCHES) OR UNDER, EMPTY, BLANK, AND LOADED
35319	CARTS CONTRACTORS, TRACTOR DRIVEN
39492	CARTS FOR CARRYING GOLF BAGS
33159	CARTS, WIRE, FERROUS, HOUSEHOLD, GROCERY AND INDUSTRIAL, MADE IN WIRE-DRAWING PLANT
34819	CARTS, WIRE, FERROUS, HOUSEHOLD, GROCERY AND INDUSTRIAL, NOT MADE BY WIREDRAWERS
39142	CARVING SETS, FLATWARE WITH METAL HANDLES
34211	CARVING SETS, TABLE CUTLERY
26416	CASEIN COATED PAPER
20231	CASEIN, DAIRY PRODUCTS
24311	CASEMENT UNITS, WOOD, FOR WINDOWS, MADE IN A MILLWORK PLANT
34422	CASEMENT WINDOWS, STEEL
35511	CASERS AND UNCASERS FOR DAIRY PRODUCTS
35513	CASERS AND UNCASERS FOR INDUSTRIAL FOOD PRODUCTS, EXCEPT DAIRY
19610	CASES, CARTRIDGE, BRASS OR STEEL FOR SMALL FIREARMS 30 MM. (1.18 INCHES) AND UNDER
31610	CASES, COSMETIC AND VANITY
25410	CASES, DISPLAY, NONREFRIGERATED, WOOD
19291	CASES FOR ARTILLERY AMMUNITION, STEEL AND NONSTEEL, OVER 30 MM. (OR OVER 1.18 INCHES)
31610	CASES, FOR MUSICAL INSTRUMENTS (ANY MATERIALS)
31610	CASES FOR SAMPLES AND CATALOGS
23990	CASES, HANDKERCHIEF, LINGERIE, ETC., MADE OF PURCHASED TEXTILE FABRIC
25223	CASES, METAL, OFFICE
19291	CASES, STEEL, FOR ARTILLERY AMMUNITION OVER 30 MM. (OR 1.18 INCHES AND OVER)
31610	CASES, UNDERARM
24317	CASES, WOOD, SUCH AS CHINA CASES, ETC., TO BE BUILT IN PER CUSTOM SPECIFICATIONS
35741	CASH REGISTERS
25420	CASHIER STANDS, METAL
25410	CASHIER STANDS, WOOD
20139	CASINGS, SAUSAGE NATURAL
30111	CASINGS, PNEUMATIC TIRES FOR PASSENGER CARS AND MOTORCYCLES
34295	CASKET AND CASKET SHELL HARDWARE
39943	CASKET AND COFFIN SHELLS
39941	CASKETS AND COFFINS, METAL, LINED AND TRIMMED
39943	CASKETS AND COFFINS, NOT LINED OR TRIMMED
39942	CASKETS AND COFFINS, WOOD, LINED AND TRIMMED
33610	CAST ALUMINUM, PRESSURE COOKERS EXCEPT STEAM COMMERICAL AND ELECTRIC
34336	CAST IRON AND STEEL HEATING BOILERS, PARTS AND ATTACHMENTS
34333	CAST IRON HEATING BOILERS, RADIATORS AND CONVECTORS EXCEPT PARTS
33212	CAST IRON PRESSURE PIPE AND FITTINGS
33213	CAST IRON SOIL PIPE AND FITTINGS, GRAY IRON
33232	CAST STEEL RAILROAD CAR WHEELS, STEEL FOUNDRY
32722	CAST STONE, PRECAST CONCRETE PRODUCTS
32722	CAST STONE PRODUCTS FOR ARCHITECTURAL PURPOSES, PRECAST CONCRETE PRODUCTS
32970	CASTABLE REFRACTORIES, NONCLAY

Code	Product
32550	CASTABLE REFRACTORIES, CLAY
34295	CASTERS AND WHEELS FOR DOLLIES AND HANDTRUCKS
34292	CASTERS, FURNITURE HARDWARE
33232	CASTING OF CARBON STEEL (FOUNDRY)
33610	CASTINGS, ALUMINUM AND ALUMINUM-BASE ALLOY
33620	CASTINGS, COPPER AND COPPER-BASE ALLOY
33220	CASTINGS, IRON, MALLEABLE
33699	CASTINGS, MAGNESIUM, LEAD, AND THEIR ALLOYS
33699	CASTINGS, NONFERROUS, EXCEPT ZINC, COPPER, AND ALUMINUM
33233	CASTINGS OF ALLOY STEEL (FOUNDRY)
33231	CASTINGS, STEEL INVESTMENT, FOUNDRY
33691	CASTINGS, ZINC AND ZINC-BASE ALLOY
20932	CASTOR BEAN OIL, EXCEPT MEDICINAL GRADES
20423	CAT FOOD, BISCUIT, PELLETS AND MEAL
20423	CAT FOOD, CANNED
27517	CATALOG PRINTING BY GRAVURE
27513	CATALOG PRINTING BY LETTERPRESS
27515	CATALOG SHEETS, LETTERPRESS PRINTED
27523	CATALOGS PRINTED BY LITHOGRAPHIC
27411	CATALOGS, PUBLISHING OF
28198	CATALYTIC PREPARATIONS, CHEMICAL
19990	CATAPULT GUNS
38421	CATHETERS
36720	CATHODE RAY PICTURE TUBES, INCLUDING REBUILT
36730	CATHODE RAY TUBES, (EXCEPT TV PICTURE) CAMERA PICKUP, ICONOSCOPE, ETC
20336	CATSUP (KETCHUP, KATCHUP) AND OTHER TOMATO SAUCES
35228	CATTLE AND DAIRY BARN EQUIPMENT, FEEDING, HANDLING AND WATERING
31111	CATTLE HIDE, FINISHED TO LEATHER
28518	CAULKING COMPOUNDS
28124	CAUSTIC, POTASH
28123	CAUSTIC SODA
20310	CAVIAR, CANNED, EXCEPT FROZEN
25115	CEDAR CHESTS, PAINTED OR FINISHED
24212	CEILING LUMBER, DRESSED, MADE IN A SAWMILL AND PLANING MILL
34443	CEILINGS AND DOMES, SHEET METAL
24332	CEILINGS, WOOD, FOR PREFABRICATED AND PRECUT BUILDINGS
24313	CELLAR DOOR FRAMES, WOOD, SHIPPED IN DOOR UNITS
25112	CELLARETS, WOODEN, PAINTED OR FINISHED
28212	CELLOPHANE, SHEETS AND ROLLS, REGENERATED CELLULOSIC PRODUCTS
28219	CELLULOSE AND OTHER PLASTIC FILM FROM SCRAP
28212	CELLULOSIC PRODUCTS, REGENERATED, EXCEPT RAYON
28213	CELLULOSIC RESINS, THERMOPLASTIC
28211	CELLULOSIC, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
32410	CEMENT, HYDRAULIC, INCLUDING PORTLAND, NATURAL, MASONRY, POZZOLAN, ETC.
35595	CEMENT-MAKING MACHINERY AND EQUIPMENT
32970	CEMENT REFRACTORY NONCLAY, HIGH TEMPERATURE
30698	CEMENT, RUBBER
28911	CEMENTS FOR FURNACE AND PORCELAIN
35418	CENTERING MACHINE, FOR METALWORKING USE
28342	CENTRAL NERVOUS SYSTEM STIMULANTS, PHARMACEUTICAL FOR HUMAN USE
35690	CENTRIFUGALS AND SEPARATORS EXCEPT CREAM, GRAIN AND BERRY, INDUSTRIAL MACHINERY
28163	CERAMIC COLOR PIGMENT
32640	CERAMIC ELECTRICAL PRODUCTS
32530	CERAMIC FLOOR AND WALL TILE
26412	CEREAL AND SIMILAR INNER WRAPS, WAXED AND WAXED-LAMINATED PAPER
20820	CEREAL BEVERAGES-MALT LIQUORS
20430	CEREALS: BREAKFAST FOODS-BOTH READY TO SERVE, AND TO BE COOKED BEFORE SERVING
20117	CERVELAT, NOT CANNED, MADE IN MEATPACKING PLANT
20137	CERVELAT, NOT CANNED, NOT MADE IN MEATPACKING PLANT
33159	CHAIN, FERROUS WIRE, MADE IN WIREDRAWING PLANTS
33156	CHAIN LINK FENCING, STEEL WIRE, MADE IN WIREDRAWING PLANT
34816	CHAIN LINK FENCING, STEEL WIRE, NOT PRODUCED BY WIREDRAWERS
35531	CHAIN SAWS
34819	CHAIN, WIRE, FERROUS, NOT PRODUCED BY WIREDRAWING
35663	CHAINS FOR SPROCKET DRIVE-MECHANICAL POWER-TRANSMISSION EQUIPMENT EXCEPT AUTO, MARINE, AND AIRCRAFT
25155	CHAIR-BED
25311	CHAIR DESK, SCHOOL
34990	CHAIR FRAMES, AND FURNITURE PARTS, METAL
25126	CHAIR FRAMES, WOOD
25116	CHAIR-TABLES, COMBINATION FEEDING, CHILDREN'S, WOOD, PAINTED AND FINISHED
25116	CHAIRS AND SEATS, NURSERY, WOODEN, PAINTED OR FINISHED
25312	CHAIRS FOR PUBLIC LIBRARY
25144	CHAIRS, INFANT'S METAL HIGH CHAIRS
25141	CHAIRS, METAL HOUSEHOLD-DINING, DINETTE, AND BREAKFAST
25142	CHAIRS, METAL, KITCHEN, INCLUDING PADDED
25221	CHAIRS, METAL, OFFICE, INCLUDING UPHOLSTERED
25143	CHAIRS, METAL OUTDOOR
25117	CHAIRS, OUTDOOR, WOODEN
25990	CHAIRS, RESTAURANT, WOOD OR METAL
25311	CHAIRS, SCHOOL, ALL PURPOSE
25117	CHAIRS, STEAMER AND DECK, WOODEN, OUTDOOR FURNITURE
25312	CHAIRS, THEATRE, AUDITORIUM
25121	CHAIRS, UPHOLSTERED, WOOD, HOUSEHOLD
25210	CHAIRS, WOOD, OFFICE, INCLUDING UPHOLSTERED
25112	CHAIRS, WOOD, PAINTED OR FINISHED, EXCLUDING UPHOLSTERED AND DINING ROOM
25115	CHAIRS, WOOD, PAINTED OR FINISHED, FOR BEDROOMS, EXCLUDING UPHOLSTERED
25113	CHAIRS, WOOD, PAINTED OR FINISHED, FOR DINING ROOM AND KITCHEN, EXCEPT UPHOLSTERED
25116	CHAIRS, WOOD, PAINTED OR FINISHED, INFANTS' AND CHILDREN'S, EXCEPT UPHOLSTERED
25117	CHAIRS, WOOD, UNPAINTED
25143	CHAISE LOUNGES, METAL OUTDOOR
25121	CHAISE LOUNGES, UPHOLSTERED WOOD
25115	CHAISE LOUNGES, WOOD, BEDROOM, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
39521	CHALK AND CRAYONS, EXCEPT ARTISTS AND TAILORS
25311	CHALK BOARDS, SCHOOL
22213	CHALLIS, MADE OF 100% SPUN RAYON AND/OR ACETATE FABRICS, GRAY GOODS
22114	CHAMBRAYS, COLORED COTTON YARN FABRICS, WOVEN (GRAY GOODS)
29990	CHARCOAL BRIQUETTES, PRODUCTS OF PETROLEUM AND COAL
28612	CHARCOAL, HARDWOOD, INCLUDING BRIQUETTES
28611	CHARCOAL, SOFTWOOD, INCLUDING BRIQUETTES
25312	CHARGING DESKS FOR PUBLIC LIBRARY
27526	CHARTS, SCIENTIFIC AND TECHNICAL, PRINTED BY LITHOGRAPHIC PROCESS
37991	CHASSIS FOR AUTOMOBILE TRAILER, SOLD SEPARATELY, EXCLUDING HOUSING TYPE
36514	CHASSIS FOR HOME-TYPE RADIO AND TV RECEIVERS, SOLD SEPARATELY
37112	CHASSIS, TRUCK AND TRUCK TRACTORS, OWN MANUFACTURE
37150	CHASSIS, TRUCK TRAILER, SOLD SEPARATELY
35791	CHECK WRITING, SIGNING, SORTING, NUMBERING, PROTECTING, DATING, CANCELLING MACHINES
27821	CHECKBOOKS, BLANKBOOK MAKING
20221	CHEESE, NATURAL, INCLUDING CHEDDAR, BRICK, CREAM AND SWISS
20222	CHEESE, PROCESS, INCLUDING CHEESE FOOD, SPREAD, ETC., MADE FROM PURCHASED CHEESE
20222	CHEESE SPREADS, PASTES, AND CHEESE-LIKE PREPARATIONS
22113	CHEESECLOTH COTTON (GRAY GOODS)
28198	CHEMICAL CATALYTIC PREPARATIONS
28181	CHEMICAL INDICATORS, CYCLIC
35591	CHEMICAL MANUFACTURING INDUSTRY MACHINERY, EQUIPMENT, AND PARTS
19293	CHEMICAL WARFARE PROJECTILES AND COMPONENTS
28199	CHEMICALS, ARSENIC, BISMUTH, CALCIUM, CARBON, EPSOM SALTS, IODINE MERCURIC OXIDE, SULFUR COMPOUNDS, ZINC COMPOUND
28612	CHEMICALS FROM WOOD
22710	CHENILLE CARPETS AND RUGS, WOOL OR CHIEFLY WOOL, WOVEN
20338	CHERRIES, MARASCHINO
25115	CHEST OF DRAWERS, BEDROOM, WOODEN, PAINTED OR FINISHED, EXCEPT CHILDREN'S
25116	CHEST OF DRAWERS, CHILDREN'S FURNITURE ONLY, WOODEN, PAINTED OR FINISHED
25117	CHEST OF DRAWERS, UNPAINTED WOOD
34920	CHESTS AND SAFES, BURGLAR-RESISTIVE
35853	CHESTS, PICNIC, NONMECHANICAL, REFRIGERATED
20730	CHEWING GUM BASE
20730	CHEWING GUM, NOT MEDICATED, AND BASE
20154	CHICKENS, CANNED EXCEPT SOUPS
20151	CHICKENS, HENS, CAPONS AND YOUNG CHICKENS, DRESSED AND PACKED
25115	CHIFFONIERS, WOODEN, PAINTED OR FINISHED, BEDROOM FURNITURE
25115	CHIFFOROBES, WOODEN, PAINTED OR FINISHED, BEDROOM FURNITURE
39430	CHILDREN'S AUTOMOBILES AND TRACTORS
31415	CHILDREN'S SHOES
39430	CHILDREN'S VEHICLES, EXCEPT BICYCLES
20117	CHILI CON CARNE, NOT CANNED, MADE IN MEATPACKING PLANT
20137	CHILI CON CARNE, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20336	CHILI SAUCE
39314	CHIMES AND PARTS, MUSICAL INSTRUMENTS
32592	CHIMNEY PIPE, STRUCTURAL CLAY PRODUCTS
25113	CHINA CABINETS, WOOD, DINING ROOM, FINISHED AND PAINTED
24317	CHINA CASES, WOOD, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
32690	CHINA DECORATING FOR THE TRADE
32620	CHINA, KITCHEN AND TABLE ARTICLES, VITREOUS
32620	CHINA KITCHENWARE, COMMERCIAL AND HOUSEHOLD, VITREOUS
32620	CHINA TABLEWARE, COMMERCIAL AND HOUSEHOLD, VITREOUS
20932	CHINAWOOD OIL
20324	CHINESE FOODS, CANNED
20373	CHINESE FOODS, FROZEN
20992	CHIPS OR STICKS (POTATO, CORN, ETC.) PLAIN OR FLAVORED, BAGGED OR CANNED
24219	CHIPS, WOOD, MADE IN SAWMILLS
34232	CHISELS
28182	CHLORAL, ACYLIC
28196	CHLORIDE, ALUMINUM COMPOUNDS
28790	CHLORINATED HYDROCARBON PESTICIDAL PREPARATIONS FOR AGRICULTURE
28192	CHLORINE BLEACHING POWDER
28121	CHLORINE, COMPRESSED OR LIQUEFIED
28192	CHLORINE AND OTHER BLEACHING COMPOUNDS
28182	CHLOROACETIC, ACID, ACYCLIC
28181	CHLOROPHYLL, SYNTHETIC
28194	CHLOROSULFONIC ACID
20728	CHOCOLATE AND COCOA PRODUCTS EXCEPT CONFECTIONERY, MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT
20998	CHOCOLATE AND COCOA PRODUCTS, EXCEPT CONFECTIONERY (MADE FROM PURCHASED CHOCOLATE OR COCOA)
20716	CHOCOLATE BARS, ALL TYPES, MADE FROM PURCHASED CHOCOLATE
20722	CHOCOLATE BARS, MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT
20722	CHOCOLATE, BULK, OR PACKAGED CONFECTIONERY-TYPE, MADE FROM COCOA BEANS, GROUND IN THE SAME ESTABLISHMENT
20721	CHOCOLATE COATINGS, SWEET, MILK AND LIQUOR
20728	CHOCOLATE (EXCEPT COATINGS) FOR BAKING, COOKING, ETC., SWEETENED AND UNSWEETENED, MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT
20998	CHOCOLATE (EXCEPT COATINGS) FOR BAKING, COOKING, ETC., SWEETENED OR UNSWEETENED MADE PURCHASED CHOCOLATE OR COCOA
20264	CHOCOLATE MILK AND CHOCOLATE MILK DRINKS, PACKAGED IN THIS PLANT
20231	CHOCOLATE MILK, POWDERED
20716	CHOCOLATE, PACKAGE, BULK, CONFECTIONERY-TYPE, ETC. MADE FROM PURCHASED CHOCOLATE
20728	CHOCOLATE SIRUP, FROM CHOCOLATE LIQUID OR COCOA POWDER BASE, MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT
20998	CHOCOLATE SIRUP, FROM CHOCOLATE LIQUID OR COCOA POWDER BASE, MADE FROM PURCHASED CHOCOLATE OR COCOA
36430	CHOKE COILS, POWER CIRCUIT
36794	CHOKES, COILS, TRANSFORMERS, REACTORS FOR ELECTRONIC APPLICATION
20324	CHOP SUEY, CANNED
35512	CHOPPERS, GRINDERS, CUTTERS, DICERS, FOOD, COMMERCIAL
20352	CHOW CHOW, CHOPPED MIXED PICKLES IN MUSTARD SAUCE
20310	CHOWDER, CANNED, SEAFOOD, EXCEPT FROZEN
20310	CHOWDER, CLAM, CANNED, EXCEPT FROZEN
20324	CHOW-MEIN, CANNED
27526	CHRISTMAS AND EASTER SEALS PRINTED BY LITHOGRAPHIC
27711	CHRISTMAS CARD, SALES BY PUBLISHERS
27516	CHRISTMAS SEALS PRINTED BY LETTERPRESS
36992	CHRISTMAS TREE LIGHTING OUTFITS
36410	CHRISTMAS TREE LIGHTS
39999	CHRISTMAS TREE ORNAMENTS AND DECORATIONS EXCEPT ELECTRIC
39620	CHRISTMAS TREES, ARTIFICIAL
28163	CHROME COLORS, INCLUDING HYDRATED CHROMIUM OXIDE
28163	CHROME COLORS, INORGANIC PIGMENTS

Code	Product
28194	CHROMIC ACID
28199	CHROMIUM COMPOUNDS, INORGANIC CHEMICALS
38711	CHRONOMETERS, COMPLETE
20310	CHUB-SMOKED FISH
35453	CHUCKS AND CHUCK HOLDING DEVICES, METALWORKING
25312	CHURCH FURNITURE
25312	CHURCH PEWS
35511	CHURNS, BUTTER, DAIRY, EXCEPT FARM SIZE
20996	CIDER
39111	CIGARETTE AND CIGAR CASES AND LIGHTERS OF PLATINUM AND CARAT GOLD
39112	CIGARETTE AND CIGAR CASES AND LIGHTERS OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
39999	CIGARETTE AND CIGAR LIGHTERS, EXCEPT OF PRECIOUS METALS
35595	CIGARETTE AND CIGAR MAKING MACHINES
31720	CIGARETTE CASES
35811	CIGARETTE COIN-OPERATED VENDING MACHINES
39999	CIGARETTE HOLDERS
35791	CIGARETTE MACHINES
26495	CIGARETTE PAPER BOOKS
21110	CIGARETTES
24411	CIGAR BOXES, WOODEN AND PART WOODEN
21210	CIGARS AND CIGARILLOS
36132	CIRCUIT BREAKERS, POWER, ALL VOLTAGES
36135	CIRCUIT BREAKERS, MOLDED CASE
36131	CIRCUIT BREAKERS, POWER SWITCHGEAR
27515	CIRCULAR FOLDERS, LETTERPRESS PRINTED
22562	CIRCULAR KNIT CLOTH, IN THE GREIGE (GRAY) SHIPPED OR TRANSFERRED FOR FINISHING
22562	CIRCULAR KNIT FABRICS, FINISHED, A KNIT FABRIC MILL PRODUCT
34250	CIRCULAR SAW BLADES, POWER
35532	CIRCULAR SAWS, WOODWORKING MACHINERY FOR HOME WORKSHOPS, GARAGES, AND SERVICE SHOPS
27525	CIRCULARS AND LETTERS PRINTED BY LITHOGRAPHIC PROCESS
34334	CIRCULATORS, DOMESTIC HEATING STOVES
20310	CISCO, SMOKED FISH
28993	CITRUS OILS, NATURAL
20424	CITRUS PULP FOR ANIMAL FEED
20310	CLAM CHOWDER, CANNED, EXCEPT FROZEN
20362	CLAMS, FRESH PACKAGED
20361	CLAMS, PACKAGED FROZEN
20310	CLAMS, WHOLE AND MINCED (DRAINED WEIGHT), CANNED, EXCEPT FROZEN
39314	CLARINETS AND PARTS
23422	CLASPS, FOR WOMEN'S PERSONAL WEAR (CORSET ACCESSORIES)
32550	CLAY KILN FURNITURE, RADIANT HEATER ELEMENTS, AND SHAPED REFRACTORY ITEMS, CLAY
32592	CLAY PRODUCTS, STRUCTURAL, OTHER THAN SEWER PIPE AND FITTINGS
32550	CLAY REFRACTORIES
32591	CLAY SEWER PIPE AND FITTINGS
32512	CLAY TILE, STRUCTURAL, EXCEPT FACING
35595	CLAYWORKING MACHINERY AND EQUIPMENT
28411	CLEANERS, ACID TYPE, BULK
28423	CLEANERS AND SOLVENTS, TOILET BOWL AND DRAINPIPE CLEANERS
28423	CLEANERS, BRUSH, PAINT, TOILET BOWLS, WALLPAPER, GLASS, RUGS AND UPHOLSTERY WALLS, OVENS
28413	CLEANSERS, SCOURING, WITH OR WITHOUT ABRASIVES, HOUSEHOLD
35484	CLEANERS, SPARK PLUG, STEAM VAPOR, AUTOMOTIVE
28445	CLEANSING CREAMS
32810	CLINKER, PORTLAND CEMENT
38711	CLOCK MOVEMENTS, COMPLETE BUT NOT CASED (INCLUDING ELECTRIC AND SPRING WOUND)
38715	CLOCK PARTS, EXCEPT TIMING MOTORS AND EXCEPT COMPLETE UNCASED CLOCK MOVEMENTS
38711	CLOCKS, ALL TYPES, COMPLETE
33911	CLOSED DIE FORGING, STEEL DROP, UPSET AND PRESS
24317	CLOSETS, WOOD, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
34616	CLOSURES FOR HOME CANNING INCLUDING ZINC PRODUCTS, GLASS LIDS AND SHOULDER AND TOP SEAL JAR RINGS
34616	CLOSURES, METAL, COMMERCIAL EXCEPT CROWNS
26451	CLOSURES, PAPER AND PAPERBOARD, DIE-CUT
30794	CLOSURES, PLASTICS, INCLUDING SPOUTS, SPRAY VALVES, SEALS, FLIP CASES, TUBE AND BOTTLE TOPS AND CAPS, ETC.
34616	CLOSURES, VACUUM TYPE OF METAL
22113	CLOTH, BANDAGE, COTTON (GRAY GOODS)
22562	CLOTH, CIRCULAR KNIT IN THE GREIGE (GRAY) SHIPPED OR TRANSFERRED FOR FINISHING
32913	CLOTH, COATED OR IMPREGNATED WITH ABRASIVE MATERIALS
22561	CLOTH, WARP KNIT IN THE GREIGE (GRAY) (TRICOT, RASCHEL, SIMPLEX, MILANESE) SHIPPED OR TRANSFERRED FROM KNIT FABRIC MILL FOR FINISHING
33157	CLOTH, WIRE, FERROUS, MADE IN WIREDRAWING PLANTS
34814	CLOTH, WIRE, FERROUS, NOT PRODUCED BY WIREDRAWERS
34990	CLOTHESLINE POSTS, METAL
24262	CLOTHESPIN STOCK, HARDWOOD, A DIMENSION MILL PRODUCT
24995	CLOTHESPINS, WOODEN
39493	CLOTHING, ATHLETIC
23860	CLOTHING, LEATHER OR SHEEPLINED
27413	CLOTHING PATTERNS, PUBLISHING
25420	CLOTHING RACKS, METAL
25410	CLOTHING RACKS, WOOD
30698	CLOTHING, RUBBER
23850	CLOTHING, WATERPROOF EXCEPT RUBBER
23282	CLOTHING, WORK (EXCEPT SHIRTS), MEN'S AND BOYS'
23289	CLOTHING, WORK (EXCEPT SHIRTS), MEN'S, YOUTHS', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
28424	CLOTHS, POLISHING AND CLEANING, CHEMICALLY TREATED
22113	CLOTHS, PRINT, COTTON (GRAY GOODS)
22119	CLOTHS, WASH, COTTON, MADE IN BROADWOVEN FABRIC MILLS
23929	CLOTHS, WASH, MADE FROM PURCHASED FABRIC
22590	CLOTHS, WASH, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
24262	CLUBS, GOLF, STOCK, HARDWOOD, A DIMENSION MILL PRODUCT
20860	CLUB SODA, BOTTLED AND CANNED, DIETETIC OR NONDIETETIC
37141	CLUTCH DISC AND FACING ASSEMBLIES
32922	CLUTCH FACING, ASBESTOS
35484	CLUTCH REBUILDING EQUIPMENT, AUTOMOTIVE
35663	CLUTCHES FOR MECHANICAL POWER-TRANSMISSION EQUIPMENT, EXCEPT AUTOMOTIVE, AIRCRAFT AND MARINE
37113	COACHES, MOTOR (EXCEPT TROLLEY BUSSES), MADE ON OWN CHASSIS
37910	COACHES, TRAILER HOUSING TYPE
35321	COAL CUTTING MACHINES
28155	COAL TAR, CRUDES, CYCLIC
28151	COAL TAR, INTERMEDIATES, CYCLIC
29522	COAL TAR ROOFING PITCH
35351	COAL TIPPLE CONVEYORS
26217	COARSE PAPER, UNBLEACHED KRAFT PAPER
23630	COAT AND LEGGING SETS, GIRLS', CHILDREN'S, AND INFANTS
23630	COAT AND SNOW PANTS SETS, GIRLS' AND INFANTS'
23710	COAT LININGS, FUR
23961	COAT, SUIT AND TROUSER FINDINGS, MEN AND BOYS
22531	COAT SWEATERS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
26215	COATED BRISTOLS
22951	COATED FABRICS, EXCEPT RUBBER
26213	COATED PAPER, ONE OR TWO SIDES (PRINTING AND CONVERTING PAPER)
29510	COATED STONE, ASPHALT OR TAR
34790	COATING, METAL, HOT DIP, INCLUDING GALVANIZING
28516	COATINGS AND FINISHES FOR MACHINERY AND EQUIPMENT, INDUSTRIAL
23114	COATS, BOYS', INCLUDING UNIFORM
23639	COATS, COAT AND LEGGING SETS, GIRLS', CHILDREN'S, AND INFANTS' (RECEIPTS FOR CONTRACT WORK)
23379	COATS (EXCEPT FUR AND RAIN), WOMEN'S, MISSES', AND JUNIORS', (CONTRACT AND COMMISSION RECEIPTS)
23371	COATS (EXCEPT FUR) WOMEN'S, MISSES', AND JUNIORS'
23710	COATS, FUR
23630	COATS, GIRLS', CHILDREN'S, AND INFANTS'
23291	COATS, HEAVY OUTERWEAR, MEN'S, YOUTHS', AND BOYS'
23860	COATS, LEATHER AND SHEEP-LINED, MEN'S, BOYS', WOMEN'S, MISSES', AND JUNIORS'
23112	COATS, MEN'S, EXCEPT SPORT COATS AND TAILORED DRESS COATS
23113	COATS, MEN'S TAILORED DRESS
23850	COATS, RAIN, EXCEPT ALL RUBBER
33574	COAXIAL CABLE PRODUCED IN WIREDRAWING ESTABLISHMENT
28199	COBALT COMPOUND, INORGANIC CHEMICAL
20853	COCKTAILS, BOTTLED-LIQUORS
20728	COCOA BUTTER
20721	COCOA COATINGS (MADE CHIEFLY FROM COCOA POWDER AND FAT OTHER THAN COCOA BUTTER)
20722	COCOA, CONFECTIONERY, MOLDED OR SOLID BAR, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT
20716	COCOA, CONFECTIONERY, MOLDED OR SOLID BAR, MADE FROM PURCHASED CHOCOLATE
20728	COCOA, POWDERED, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT, SWEETENED OR UNSWEETENED
20998	COCOA, POWDERED, MADE FROM PURCHASED CHOCOLATE OR COCOA, SWEETENED OR UNSWEETENED
20933	COCONUT CAKE AND MEAL
20999	COCONUT, DESICCATED OR SHREDDED, SWEETENED, CREAMED, AND TOASTED
22790	COCONUT FIBER CARPETS AND RUGS
20932	COCONUT OIL
28992	COCONUT-TYPE FATTY ACIDS, INCLUDING BABASSU AND PALM KERNEL, LAURIC, CAPRYLIC, CAPRIC, AND MYRISTIC
28347	COD LIVER OIL, FOR HUMAN USE
20512	COFFEE CAKES, SWEET YEAST-RAISED
20952	COFFEE, CONCENTRATED, LIQUID, FROZEN, AND POWDERED
35512	COFFEE MILLS, POWER-DRIVEN, COMMERCIAL
20951	COFFEE, ROASTED, WHOLE BEAN OR GROUND
25112	COFFEE TABLES
35891	COFFEE URNS, COMMERCIAL
36343	COFFEEMAKERS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
39941	COFFINS AND CASKETS, METAL, LINED AND TRIMMED
39942	COFFINS AND CASKETS, WOOD, LINED AND TRIMMED
25153	COIL SPRINGS AND FLAT SPRINGS, BEDSPRINGS
34930	COIL SPRINGS, AUTOMOBILE
36293	COIL WINDINGS, ELECTRICAL FOR INDUSTRY
36945	COILS, IGNITION, FOR INTERNAL COMBUSTION ENGINES
36794	COILS, TRANSFORMERS, REACTORS, CHOKES FOR ELECTRONIC APPLICATION
35741	COIN CHANGEMAKER MACHINES, COIN-OPERATED
35741	COIN HANDLING AND SORTING MACHINES
39992	COIN-OPERATED AMUSEMENT MACHINES
35812	COIN-OPERATED MECHANISMS SOLD SEPARATELY
35811	COIN-OPERATED MERCHANDISING MACHINES, INCLUDING PARTS
35791	COIN WRAPPING MACHINE
26492	COIN WRAPS, PAPER
33121	COKE, INCLUDING SCREENINGS AND BREEZE
33121	COKE OVEN GAS
33121	COKE OVEN AND BLAST FURNACE PRODUCTS, INCLUDING FERRO-ALLOYS
29990	COKE, PETROLEUM, CALCINED
28344	COLD AND COUGH PREPARATIONS FOR HUMAN USE
33168	COLD FINISHED STEEL BARS AND BAR SHAPES, NOT MADE IN STEEL MILL
33128	COLD FINISHED STEEL BARS AND BAR SHAPES, PRODUCED FROM OWN HOT ROLLED MATERIALS, IN STEEL MILLS
33167	COLD ROLLED STEEL SHEET AND STRIP, NOT MADE IN STEEL MILL
33127	COLD ROLLED STEEL SHEET AND STRIP, PRODUCED FROM OWN HOT ROLLED MATERIAL IN STEEL MILLS
29510	COLD ROLLED SHEET TOPPING (PAVING)
28993	COLD SOLDER
28344	COLD TABLETS, PHARMACEUTICAL, FOR HUMAN USE
27910	COLD TYPESETTING SERVICES, INCLUDING ALL NONMETALLIC, NONPHOTOGRAPHIC TYPESETTING
34960	COLLAPSIBLE TUBES, METAL
22531	COLLARS, KNIT, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23219	COLLARS, MEN'S, YOUTHS', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
27311	COLLEGE TEXT BOOKS, PRINTING AND PUBLISHING
28442	COLOGNES, TOILET WATER, PERFUMES
38615	COLOR FILM, STILL AND MOTION PICTURE
28163	COLOR INORGANIC PIGMENTS
32112	COLORED GLASS, FLOAT AND PLATE
28163	COLORED LEAD PIGMENTS
34710	COLORING, ELECTROPLATING, PLATING, POLISHING, ANODIZING
20874	COLORINGS, FOR FOODS
33397	COLUMBIUM-TANTALUM ALLOYS PRIMARY SMELTING
33416	COLUMBIUM-TANTALUM ALLOYS, SECONDARY SMELTING AND REFINING
24318	COLUMNS, WOOD, FOR PORCHES, STAIRS, ETC.
37312	COMBAT SHIPS, SELF-PROPELLED SHIPS, U S MILITARY, NEW
19310	COMBAT VEHICLES, FULL TRACKED, INCLUDING PARTS(INCLUDING ARMORED UTILITY VEHICLES)
37114	COMBAT VEHICLES, WHEELED OR TRACKED TACTICAL VEHICLES OR CARRIERS
22812	COMBED COTTON YARN, GRAY OR FINISHED IN YARN SPINNING MILLS
26315	COMBINATION PAPERBOARD, BENDING
26316	COMBINATION PAPERBOARD, NONBENDING
23422	COMBINATIONS, WOMEN'S PERSONAL WEAR

Code	Product
35225	COMBINES (HARVESTER-THRESHERS)
22970	COMBING, WORSTED, WOOL OR OTHER
30698	COMBS, BRUSHES AND MOUTH PIECES, RUBBER
30698	COMBS, RUBBER
23920	COMFORTERS, MADE FROM PURCHASED FABRIC
27215	COMIC MAGAZINES, SUBSCRIPTION AND SINGLE COPY SALES
34616	COMMERCIAL CLOSURES, METAL AND PLASTIC
26432	COMMERCIAL PACKAGING (BAGS, POUCHES, DRUM LINERS) AND TUBES, PLAIN OR PRINTED, WAXED OR UNWAXED
22539	COMMISSION AND CONTRACT RECEIPTS FOR KNITTING AND/OR DYEING KNIT OUTERWEAR PRODUCTS
22619	COMMISSION DYEING OR OTHER FINISHING OF COTTON BROADWOVEN FABRICS
22629	COMMISSION DYEING OR OTHER FINISHING OF MANMADE FIBER AND SILK BROADWOVEN FABRIC
23959	COMMISSION EMBROIDERING (EXCEPT SCHIFFLI-MACHINE) ON MATERIALS OWNED BY OTHERS
22315	COMMISSION FINISHING OF WOOL FABRICS
22569	COMMISSION KNITTING AND/OR DYEING KNIT FABRICS PRODUCED IN A KNIT FABRIC MILL
22315	COMMISSION RECEIPTS FOR SPONGING OF WOOL FABRICS
24919	COMMISSION RECEIPTS, WOOD PRESERVING (I.E., PRESERVING OF WOOD OWNED BY OTHER ESTABLISHMENTS)
22829	COMMISSION THROWING, PLYING, WINDING, WARPING, ETC. OF YARNS, EXCEPT WOOL
23959	COMMISSION TUCKING, PLEATING, HEMSTITCHING AND BUTTON HOLING, FOR THE TRADE
23639	COMMISSION WORK, GIRLS', CHILDREN'S, AND INFANTS' COATS, SNOW SUITS, COAT AND LEGGING SETS AND SUITS
23619	COMMISSION WORK, GIRLS', CHILDREN'S, AND INFANTS' DRESSES, BLOUSES WAISTS, AND SHIRTS
23279	COMMISSION WORK ON MEN'S AND BOYS' TROUSERS, (SEPARATE DRESS AND SPORT)
23289	COMMISSION WORK ON MEN'S AND BOYS' WORK CLOTHING
23219	COMMISSION WORK, SHIRTS (EXCEPT WORK SHIRTS), COLLARS AND NIGHTWEAR, MEN'S, YOUTHS', AND BOYS'
23119	COMMISSION WORK, SUITS AND OVERCOATS, MEN'S, YOUTHS', AND BOYS'
23419	COMMISSION WORK, WOMEN'S AND CHILDREN'S UNDERWEAR AND NIGHTWEAR
23399	COMMISSION WORK, WOMEN'S, MISSES', AND JUNIORS' APRONS, SMOCKS, HOOVERS, AND OTHER WASHABLE SERVICE APPAREL, NECKWEAR, KNIT SHIRTS, (FROM PURCHASED FABRIC) ETC.
23319	COMMISSION WORK, WOMEN'S, MISSES', AND JUNIORS' BLOUSES, WAISTS, AND SHIRTS
23379	COMMISSION WORK, WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, AND SKIRTS
23359	COMMISSION WORK, WOMEN'S, MISSES', AND JUNIORS' DRESSES
33574	COMMUNICATION WIRE AND CABLE, PRODUCED IN WIREDRAWING ESTABLISHMENT
36627	COMMUNICATIONS SYSTEMS, SPACE SATELLITE (COMPLETE PACKAGE)
35318	COMPACTORS AND SELF-PROPELLED ROLLERS
39111	COMPACTS OF PLATINUM AND CARAT GOLD
39112	COMPACTS OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
35452	COMPARATORS, MACHINISTS PRECISION TOOLS
38111	COMPASSES, FLIGHT AND NAVIGATION
35857	COMPONENTS AND ACCESSORIES FOR AIR-CONDITIONING AND REFRIGERATION
35720	COMPOSING MACHINES,OFFICE, INCLUDING ATTACHMENTS AND PARTS
32912	COMPOUNDS, ABRASIVES, FOR GRINDING, LAPPING AND BUFFING
28199	COMPOUNDS OF ARSENIC, ANTIMONY, BERYLLIUM, BISMUTH, CADMIUM, CALCIUM, CHROMIUM, COBALT, COPPER, GOLD, IRON, LEAD, MOLYBDENUM NICKEL
35370	COMPRESSED-AIR POWERED INDUSTRIAL TRUCKS AND TRACTORS
20994	COMPRESSED YEAST
35614	COMPRESSORS, AIR AND GAS, EXCEPT REFRIGERATOR
35616	COMPRESSORS, AIR AND GAS, PARTS AND ATTACHMENTS ONLY
35854	COMPRESSORS AND COMPRESSOR UNITS, ALL REFRIGERANTS
35854	COMPRESSORS, HOUSEHOLD REFRIGERATORS
35741	COMPUTING AND ACCOUNTING MACHINES, INCLUDING CASH REGISTERS AND VOTING MACHINES
35733	COMPUTING EQUIPMENT (ELECTRONIC), PARTS AND ATTACHMENTS
20952	CONCENTRATED COFFEE, POWDERED, LIQUID, AND FROZEN
20371	CONCENTRATED FRUIT AND BERRY JUICES, FROZEN
20874	CONCENTRATED FRUIT JUICE PRODUCTS (NOT FROZEN)
20233	CONCENTRATED MILK, SHIPPED IN BULK (BARRELS, DRUMS, TANKS)
35316	CONCRETE BATCHING PLANTS
32710	CONCRETE BLOCK AND BRICK
35595	CONCRETE-BLOCK MACHINERY AND EQUIPMENT
28993	CONCRETE CURING AND FLOOR HARDENING MATERIALS
35316	CONCRETE MIXERS
35316	CONCRETE MIXERS AND PAVERS, EXCEPT PARTS
32721	CONCRETE PIPE
35595	CONCRETE-PRODUCTS MACHINERY AND EQUIPMENT
32730	CONCRETE, READY-MIXED
34493	CONCRETE REINFORCING BARS, FABRICATED
33159	CONCRETE REINFORCING MESH, FERROUS, MADE IN WIREDRAWING PLANT
34819	CONCRETE REINFORCING MESH, FERROUS, NOT PRODUCED BY WIREDRAWERS
33124	CONCRETE REINFORCING STEEL BARS
20231	CONDENSED, EVAPORATED MILK
20233	CONDENSED MILK, SHIPPED IN BULK (BARRELS, DRUMS, TANKS)
20232	CONDENSED MILK (SHIPPED IN CONSUMER TYPE CANS)
36946	CONDENSERS, ENGINE ELECTRICAL EQUIPMENT
34970	CONDENSER FOIL, METAL
36792	CONDENSERS AND CAPACITORS, VARIABLE, FOR ELECTRONIC APPLICATION
35855	CONDENSING UNITS, ALL REFRIGERANTS
36442	CONDUCT AND FITTINGS, ELECTRICAL NONCURRENT-CARRYING DEVICES
26461	CONDUIT AND FITTINGS (MOLDED PULP OR PAPIER MACHE)
36443	CONDUIT BOXES
32592	CONDUIT, CLAY
24318	CONDUIT, WOOD
32721	CONDUITS, CONCRETE
20522	CONES, ICE CREAM
26552	CONES, PAPERBOARD
35811	CONFECTION COIN-OPERATED VENDING MACHINES
20711	CONFECTIONERIES, BAR, (EXCEPT SOLID CHOCOLATE BARS)
20714	CONFECTIONERIES, BULK GOODS, (EXCEPT SOLID CHOCOLATE)
20712	CONFECTIONERIES, 5-CENT AND 10-CENT SPECIALTIES (OTHER THAN BARS AND COUGH DROPS)
20715	CONFECTIONERIES, PENNY GOODS, OTHER THAN BARS (RETAILING IN UNITS OF 4 CENTS OR LESS)
20630	CONFECTIONER'S POWDERED SUGAR, BEET
20620	CONFECTIONER'S SUGAR, POWDERED, CANE
20721	CONFECTIONERY (COCOA) COATINGS (MADE CHIEFLY FROM COCOA POWDER AND FAT OTHER THAN COCOA BUTTER)
20722	CONFECTIONERY (COCOA) MOLDED OR SOLID BARS, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT
20716	CONFECTIONERY-COCOA-MOLDED OR SOLID BARS, MADE FROM PURCHASED CHOCOLATE
20713	CONFECTIONERY, PACKAGED GOODS (EXCEPT SOLID CHOCOLATE)
20722	CONFECTIONERY-TYPE CHOCOLATE, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT
20716	CONFECTIONERY-TYPE CHOCOLATE MADE FROM PURCHASED CHOCOLATE
20722	CONFECTIONERY-TYPE PRODUCTS, BULK AND PACKAGED, INCLUDING SOLID CHOCOLATE, ALL TYPES, MADE FROM COCOA BEANS GROUND IN THIS ESTABLISHMENT
20716	CONFECTIONERY-TYPE PRODUCTS, BULK AND PACKAGED, INCLUDING SOLID CHOCOLATE, ALL TYPES, MADE FROM PURCHASED CHOCOLATE
36430	CONNECTORS FOR ELECTRONIC APPLICATION
26216	CONSTRUCTION PAPER
26612	CONSTRUCTION PAPER (DRY BASIS BEFORE SATURATING)
30796	CONSTRUCTION PLASTIC PRODUCTS
38512	CONTACT LENSES, OPHTHALMIC FOCUS LENSES
36240	CONTACTS, CARBON AND GRAPHITE
36430	CONTACTS, ELECTRICAL, EXCEPT CARBON AND GRAPHITE
26314	CONTAINER CHIP AND FILLER BOARD, COMBINATION PAPERBOARD-SHIPPING CONTAINERBOARD
35423	CONTAINER MAKING MACHINERY, FOR METAL FORMING
26311	CONTAINER PAPERBOARD, INCLUDING LINERS, CORRUGATING MATERIALS, UNBLEACHED KRAFT
26314	CONTAINERBOARD, COMBINATION PAPERBOARD FOR SHIPPING, CORRUGATING MEDIUM
26542	CONTAINERS, FOOD, CUP AND LIQUID TIGHT
26543	CONTAINERS, FROZEN FOOD, BUTTER, OLEO
32210	CONTAINERS, GLASS
26543	CONTAINERS, ICE CREAM
34913	CONTAINERS, METAL, FOR SHIPPING FLUID MILK
30794	CONTAINERS, PLASTICS
26462	CONTAINERS, PRESSED AND MOLDED PULP
26543	CONTAINERS, SANITARY FOOD
26530	CONTAINERS, SHIPPING, CORRUGATED AND SOLID FIBER
24430	CONTAINERS, VENEER AND PLYWOOD, EXCEPT BOXES AND CRATES
27611	CONTINUOUS BUSINESS FORMS, STRIP, FANFOLD OR AUTOGRAPHIC REGISTER
38311	CONTOUR PROJECTORS
22539	CONTRACT AND COMMISSION RECEIPTS FOR KNITTING AND/OR DYEING KNIT OUTERWEAR PRODUCTS
31119	CONTRACT AND COMMISSION WORK FOR LEATHER TANNING AND FINISHING
23399	CONTRACT AND COMMISSION WORK RECEIPTS FOR WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR
24219	CONTRACT RECEIPTS FOR CUSTOM SAWING, KILN DRYING, PLANING OR RESAWING OF MATERIALS OWNED BY OTHERS
22315	CONTRACT RECEIPTS FOR FINISHING WOOL FABRICS,OWNED BY OTHERS, INCLUDING SPONGING, SHRINKING AND MENDING
22315	CONTRACT RECEIPTS FOR FINISHING WOOL TEXTILES, EXCEPT BROADWOVEN FABRICS
24119	CONTRACT RECEIPTS, LOGGING, TIMBER OWNED BY OTHERS
24219	CONTRACT RECEIPTS, SAWING OF LOGS
24919	CONTRACT WOOD PRESERVING (I.E., PRESERVING OF WOOD OWNED BY OTHER ESTABLISHMENTS
36220	CONTROL EQUIPMENT, ELECTRIC, INDUSTRIAL
36213	CONTROL EQUIPMENT FOR LAND TRANSPORTATION UNITS (INCLUDING PARTS AND SUPPLIES FOR SUCH ITEMS)
34941	CONTROL VALVES, ALL METALS, PRESSURES AND TYPES
33579	CONTROL WIRE AND CABLE
36220	CONTROLS AND CONTROL ACCESSORIES, INDUSTRIAL, ELECTRIC AND ELECTRONIC
36344	CONTROLS, ELECTRIC, FOR SMALL HOUSEHOLD ELECTRICAL APPLIANCES
34333	CONVECTORS FOR HEATING EXCEPT PARTS
36430	CONVENIENCE AND POWER OUTLETS, ELECTRICAL
37314	CONVERSION OF U.S. MILITARY SHIPS
35197	CONVERTED ENGINES, INTERNAL COMBUSTION
25154	CONVERTIBLE SOFAS
37141	CONVERTIBLE TOPS FOR AUTOS
26218	CONVERTING PAPER, INCLUDING ENVELOPE, GUMMING, TWISTING AND SPINNING, WAXING, CUP, ASPHALTING AND CREPING STOCKS, EXCEPT UNBLEACHED KRAFT
30691	CONVEYOR AND ELEVATOR BELTS AND BELTING, RUBBER
22411	CONVEYOR BELTING, WOVEN NARROW FABRIC
35351	CONVEYOR SYSTEMS, OVERHEAD TROLLEY
35351	CONVEYORS AND CONVEYING EQUIPMENT, EXCEPT HOISTS AND FARM ELEVATORS
35352	CONVEYORS AND SYSTEMS,PARTS AND ATTACHMENTS AND ACCESSORIES ONLY
35351	CONVEYORS, PORTABLE EXCEPT FARM
35351	CONVEYORS, TUBE SYSTEM, PNEUMATIC (EXCEPT FARM)
36312	COOK STOVES, COAL, WOOD, GAS, OIL, HOUSEHOLD
20455	COOKIE DOUGH,REFRIGERATED,MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
20415	COOKIE DOUGH,REFRIGERATED, MADE FROM FLOUR MIXES--MADE IN FLOUR MILLS
20455	COOKIE, DRY MIXES,MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
20415	COOKIE DRY MIXES, MADE IN FLOUR MILLS
20515	COOKIES, HANDMADE
20522	COOKIES, MACHINE MADE, HARD AND SOFT SWEETENED COOKIES AND WAFERS
34615	COOKING AND KITCHEN HOUSEHOLD UTENSILS, STAMPED AND SPUN METAL, EXCEPT ALUMINUM
35891	COOKING EQUIPMENT, COMMERCIAL AND HOSPITAL, ELECTRIC AND NONELECTRIC, INCLUDING PARTS AND ACCESSORIES
35891	COOKING EQUIPMENT (COMMERCIAL), PARTS AND ACCESSORIES
20961	COOKING OILS INCLUDING SALAD, OLIVE OIL PRODUCED AT THIS PLANT, REFINED, BLEACHED, DEODORIZED AND/OR WINTERIZED
33610	COOKING UTENSILS, CAST ALUMINUM (EXCEPT ELECTRIC)
34611	COOKING UTENSILS OF VITREOUS ENAMEL
32620	COOKING WARE, CHINA
32630	COOKING WARE, FINE EARTHENWARE
32291	COOKINGWARE, GLASS FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	COOKINGWARE, GLASS MADE FROM PURCHASED GLASS
35857	COOLER BOXES, REFRIGERATION EQUIPMENT
30798	COOLER CHESTS, PICNIC JUGS AND ICE BUCKETS, PLASTICS
35851	COOLERS, LIQUID, SHELL-COIL OR TUBE (HEAT TRANSFER EQUIPMENT)
24218	COOLING TOWER STOCK, WOOD
24450	COOPERAGE, SLACK AND TIGHT
24290	COOPERAGE STOCK,MADE IN A SAWMILL
28213	COPOLYMER RESINS, THERMOPLASTIC
33620	COPPER AND COPPER-BASE ALLOY CASTINGS
33920	COPPER AND COPPER-BASE ALLOY FORGINGS
33512	COPPER AND COPPER-BASE ALLOY MILL PRODUCTS, ROLLED, DRAWN, EXTRUDED
33572	COPPER AND COPPER-BASE ALLOY WIRE, BARE AND TINNED, FOR ELECTRICAL TRANSMISSION PRODUCED IN WIREDRAWING ESTABLISHMENT

Code	Product
28199	COPPER COMPOUNDS, INORGANIC CHEMICALS
28790	COPPER-CONTAINING DRY PREPARATION FOR AGRICULTURE
33412	COPPER, INGOT AND SHOT, SECONDARY SMELTING AND REFINING
33991	COPPER, POWDER AND PASTE, PRIMARY
33311	COPPER, PRIMARY, SMELTER PRODUCTS, INCLUDING BLISTER OR ANODE COPPER, MATTE, SPEISS, FLUE DUST, RESIDUES, ETC.
33312	COPPER, REFINED, PRIMARY, INCLUDING BOTH UNALLOYED COPPER, AND COPPER-BASE ALLOYS
33412	COPPER, SMELTER OR REFINING, SECONDARY
33412	COPPER, UNALLOYED AND COPPER-BASE ALLOYS SECONDARY REFINERS
33511	COPPER WIRE, BARE AND TINNED (NONELECTRIC), UNALLOYED AND ALLOYED
20933	COPRA CAKE AND MEAL
36996	CORD AND WIRE, APPLIANCE, AND FLEXIBLE CORD SETS, FROM PURCHASED MATERIAL
33576	CORD, APPLIANCE, MADE IN ESTABLISHMENTS WHICH INSULATE WIRE
22983	CORD, BRAIDED COTTON
36430	CORD CONNECTORS, ELECTRIC
22960	CORD, TIRE
22982	CORDAGE AND TWINE, SOFT FIBER, INCLUDING JUTE, PAPER AND OTHER FIBERS, EXCEPT COTTON
22811	CORDAGE, CARDED COTTON YARNS, GRAY OR FINISHED IN YARN SPINNING MILLS
22983	CORDAGE, COTTON FIBER
22981	CORDAGE, HARD FIBER, ROPE AND CABLE
22213	CORDED FABRICS, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22216	CORDED FABRICS, COMBINATION FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
20853	CORDIALS (LIQUORS), BOTTLED
22116	CORDUROY FABRICS, COTTON (GRAY GOODS)
35592	CORE MAKING MACHINES, FOUNDRY
19610	CORES, BULLET, 30 MM. (OR 1.18 INCHES) AND UNDER
26552	CORES, FIBER
35331	CORING EQUIPMENT FOR OILFIELD AND GASFIELD DRILLING
32932	CORK GASKETS
24994	CORK PRODUCTS, ALL KINDS
20460	CORN BYPRODUCTS, WET PROCESS
20992	CORN CHIPS, BAGGED OR CANNED
34492	CORN CRIBS, PREFABRICATED, METAL, COMPLETE UNITS
20413	CORN FLOUR
20460	CORN GLUTEN FEED AND MEAL
20413	CORN GRITS FOR HUMAN OR ANIMAL CONSUMPTION
20460	CORN OIL, INCLUDING CAKE AND MEAL BYPRODUCTS
35225	CORN PICKERS
36343	CORN POPPER, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS)
38421	CORN REMOVER, PADS, BUNION PADS
20460	CORN SIRUP, INCLUDING SOLIDS (DRIED CORN SIRUP)
20460	CORN SIRUP--UNMIXED
20460	CORN STARCH--INCLUDING MILO
20460	CORN SUGAR--CRUDE, 70 DEGREE, 80 DEGREE
20460	CORN SUGAR, REFINED, HYDROUS AND ANHYDROUS
20332	CORN, SWEET, WHOLE KERNEL AND CREAM STYLE, CANNED
20111	CORNED BEEF NOT CANNED OR MADE INTO SAUSAGE
23951	CORNELY EMBROIDERIES (EXCEPT SCHIFFLI-MACHINE)
25113	CORNER CABINETS, WOOD, DINING ROOM, FINISHED AND PAINTED
25117	CORNER CABINETS, WOOD, UNPAINTED
20430	CORNFLAKES, AND CORN BREAKFAST FOOD READY TO SERVE
34443	CORNICES, SHEET METAL
20413	CORNMEAL (FOR HUMAN AND ANIMAL USE)
20413	CORNMEAL, FOR HUMAN USE, DEGERMED
20413	CORNMEAL, FOR HUMAN USE, WHOLE
20991	CORNSTARCH BASE DESSERTS, READY-TO-MIX
26530	CORRUGATED BOXES
35540	CORRUGATED BOXMAKING MACHINES
22411	CORSET, ELASTIC NARROW WOVEN FABRICS
22561	CORSET FABRICS, WARP KNIT, FINISHED, MADE IN A KNITTING MILL
22414	CORSET LACES, BRAIDED
23429	CORSETS AND ALLIED GARMENTS, RECEIPTS FOR CONTRACT WORK ONLY
23422	CORSETS AND CORSET ACCESSORIES
38421	CORSETS, SURGICAL
28341	CORTICAL HORMONES, PHARMACEUTICAL FOR HUMAN USE
28445	COSMETIC CREAMS, CLEANSING, FOUNDATION, LUBRICATING
28445	COSMETIC OIL
39610	COSTUME JEWLRY AND COSTUME NOVELTIES, EXCEPT PRECIOUS METALS
23890	COSTUMES, INCLUDING THEATRICAL
25144	COTS, FOLDING AND ROLLABLE, METAL HOUSEHOLD FURNITURE
25117	COTS, FOLDING, OF WOOD AND CANVAS OUTDOOR FURNITURE
20263	COTTAGE CHEESE (INCLUDING BAKERS' CHEESE, POT CHEESE, FARMERS' CHEESE)
34521	COTTER PINS
22110	COTTON AND CHIEFLY COTTON BLANKETS, BED AND CAMP, MADE IN BROADWOVEN FABRIC MILLS
22214	COTTON AND POLYESTER BLENDS, 100% SPUN FABRIC, INCLUDING BATISTE, BED SHEETING BROADCLOTH, CORDUROY, GABARDINE, OXFORDS, POPLINS, VOILES AND YARN DYED FABRICS
22617	COTTON BROADWOVEN FABRIC, FINISHED FROM PURCHASED MATERIAL
22117	COTTON BROADWOVEN FABRICS, FINISHED IN BROADWOVEN FABRIC MILLS
22114	COTTON COLORED YARN FABRICS, TOWELING AND DISHCLOTH FABRICS AND NAPPED COTTON FABRICS, INCLUDING BLANKETING (GRAY GOODS)
22115	COTTON COMBED, RAYON MIXTURES, EXCEPT SUITINGS (GRAY GOODS), BROADWOVEN
22111	COTTON DUCK AND ALLIED FABRICS (GRAY GOODS) INCLUDING COMBED DUCK
22116	COTTON ELASTIC FABRICS, BROADWOVEN (GRAY GOODS)
22617	COTTON FABRIC, FLAMEPROOF, MILDEWPROOFED, MERCERIZED OR EMBOSSED (EXCEPT BLEACHED, DYED OR PRINTED) FROM PURCHASED FABRIC
22117	COTTON FABRIC-FLAMEPROOF, MILDEWPROOFED, MERCERIZED OR EMBOSSED (EXCEPT BLEACHED, DYED OR PRINTED) MADE IN BROADWOVEN FABRIC MILLS
22115	COTTON FABRICS, FINE (GRAY GOODS), BROADWOVEN
22114	COTTON FABRICS, NAPPED (GRAY GOODS), BROADWOVEN
22414	COTTON FABRICS, NARROW, BRAIDED
22411	COTTON FABRICS, NARROWWOVEN
22983	COTTON FIBER CORDAGE AND TWINE
35595	COTTON GINNING MACHINERY AND EQUIPMENT
26112	COTTON, LINTER PULP
20913	COTTON LINTERS
23930	COTTON OR COTTON CANVAS TEXTILE BAGS
35225	COTTON PICKERS AND STRIPPERS
22113	COTTON PRINT CLOTH YARN FABRICS(GRAY GOODS), BROADWOVEN
22841	COTTON SEWING THREAD FOR USE IN THE HOME
22112	COTTON SHEETING AND ALLIED FABRICS (GRAY GOODS)
23928	COTTON SHEETS AND PILLOW CASES MADE FROM PURCHASED FABRIC
22118	COTTON SHEETS AND PILLOW CASES MADE IN BROADWOVEN FABRIC MILLS
38421	COTTON SURGICAL DRESSINGS
22114	COTTON TOWELING AND DISHCLOTH FABRIC (GRAY GOODS)
23929	COTTON TOWELS AND WASHCLOTHS MADE FROM PURCHASED FABRIC
22119	COTTON TOWELS AND WASHCLOTHS, MADE IN BROADWOVEN FABRIC MILLS
22114	COTTONADES, COTTON YARN FABRICS, WOVEN (GRAY GOODS)
20914	COTTONSEED BYPRODUCTS, INCLUDING CAKE, MEAL, AND HULLS, EXCEPT OIL AND LINTERS
20911	COTTONSEED OIL, CRUDE
20912	COTTONSEED OIL, REFINED (AFTER ALKALI OR CAUSTIC WASH BUT BEFORE BLEACHING, DEODORIZING, AND/OR WINTERIZING)
25221	COUCHES, METAL, OFFICE, INCLUDING UPHOLSTERED
25156	COUCHES, STUDIO
25121	COUCHES, UPHOLSTERED, WOOD
25210	COUCHES, WOOD, OFFICE INCLUDING UPHOLSTERED
28344	COUGH AND COLD PREPARATIONS FOR HUMAN USE
20716	COUGH DROPS, 10 CENTS OR LESS PER PACKAGE, RETAIL
28344	COUGH DROPS, LOZENGES, SIRUPS
28344	COUGH DROPS, MEDICATED
28344	COUGH DROPS, OVER 10 CENTS A PACKAGE RETAIL
28344	COUGH SYRUPS
28183	COUMARIN
25410	COUNTER AND FIXTURE TOPS, WOOD, MAY BE PLASTIC LAMINATED
39962	COUNTER COVERING, PLASTIC
30796	COUNTER COVERING, PLASTICS, FOR CONSTRUCTION
36626	COUNTERMEASURES EQUIPMENT
31310	COUNTERS FOR SHOES
25420	COUNTERS, METAL, OFFICE AND STORE AND BANK, HOUSEHOLD
25410	COUNTERS, WOOD
35451	COUNTERSINKS AND COUNTERBORES, SMALL CUTTING TOOLS
35663	COUPLINGS FLEXIBLE, EXCEPT AUTO, AIRCRAFT AND MARINE
27518	COUPONS, GRAVURE PRINTED
27516	COUPONS, LETTERPRESS PRINTED
27526	COUPONS PRINTED BY LITHOGRAPHIC PROCESS
26216	COVER AND TEXT PAPER
23282	COVERALLS, MEN'S AND BOYS' WORK CLOTHING
23393	COVERALLS, WOMEN'S AND MISSES', MADE OF WOVEN OR PURCHASED KNIT FABRIC
24994	COVERING, CORK, FOR WALLS, FLOORS, PIPE, ETC.
23990	COVERS, AUTO SEAT, FIBER, WOVEN SARAN AND PLASTIC, AND CLEAR PLASTIC FROM PURCHASED FABRIC
23850	COVERS, DIAPER, PLASTIC AND RUBBERIZED (NOT ALL RUBBER)
26451	COVERS, EXCEPT LOOSELEAF DIE-CUT
24994	COVERS, FITTING, CORK
27822	COVERS, LOOSELEAF
23920	COVERS, MATTRESS, MADE FROM PURCHASED FABRIC
23920	COVERS, SLIP, EXCEPT EMBROIDERED, FOR FURNITURE, MATTRESSES, ETC., MADE FROM PURCHASED FABRIC
23920	COVERS, TABLE AND DRESSER, EXCEPT LACE
22920	COVERS, TABLE AND DRESSER, LACE
23940	COVERS, TARPAULING, FOR TRUCKS, BOATS, ETC., MADE FROM PURCHASED FABRICS INCLUDING COATED FABRIC
26472	COVERS, TOILET SEAT, PAPER
22114	COVERTS, SUITING (COTTON) (GRAY GOODS)
20310	CRABS, CANNED, EXCEPT FROZEN
20362	CRABS, FRESH PACKAGED
20361	CRABS, PACKAGED FROZEN
20521	CRACKER MEAL AND CRUMBS
20521	CRACKER SANDWICHES, MADE FROM CRACKERS MADE IN THIS PLANT
20999	CRACKER SANDWICHES, MADE FROM PURCHASED CRACKERS
20521	CRACKERS, SPONGE, GRAHAMS, SPRAYED VARIETIES AND LOW-SUGAR CONTENT BISCUIT
25116	CRADLES, WOODEN, PAINTED OR FINISHED FOR INFANTS
20331	CRANBERRY SAUCE, CANNED
35314	CRANES AND PARTS, POWER, INCLUDING LOCOMOTIVE, FULL CIRCLE, REVOLVING WITH BOOMS, DRAGLINES, SHOVELS
35318	CRANES, CONSTRUCTION MACHINERY FOR MOUNTING ON TRACTORS
35362	CRANES, OVERHEAD TRAVELING
36943	CRANKING MOTORS FOR INTERNAL COMBUSTION ENGINES INCLUDING AUTO, TRUCK, TRACTOR, AND AIRCRAFT
24412	CRATE SHOOK - FROM LUMBER, VENEER OR PLYWOOD
24420	CRATES, WIREBOUND LUMBER, VENEER AND PLYWOOD
24411	CRATES, WOOD, NAILED AND LOCK
39521	CRAYONS, AND LEAD PENCILS
20261	CREAM, BULK, FLUID
20262	CREAM, PACKAGED
20261	CREAM, PLASTIC, SHIPPED IN BULK
20231	CREAM, POWDERED
20515	CREAM PUFFS, NOT FROZEN
35511	CREAM SEPARATORS AND CLARIFIERS FOR DAIRIES
20263	CREAMED COTTAGE CHEESE, FROM PURCHASED CURD
35222	CREAM SEPARATORS, HAND OR POWER OPERATED, FARM MACHINERY
20210	CREAMERY BUTTER, CHURNED IN SAME ESTABLISHMENT
28445	CREAMS, COSMETICS, AND TOILET PREPARATIONS
22533	CREEPERS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23690	CREEPERS, MADE FROM PURCHASED KNIT FABRICS
25210	CREDENZAS, WOOD OFFICE FURNITURE
25112	CREDENZAS, WOOD, PAINTED OR FINISHED
27412	CREDIT REGULATIONS, PUBLISHED FOR BUSINESS
28155	CREOSOTE OIL
29510	CREOSOTED WOOD PAVING BLOCKS
26492	CREPED PAPER
26492	CREPED WADDING FOR PACKAGING (CELLULOSE) AND CREPE PAPER
22211	CREPES, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22114	CRIB BLANKETING, COTTON (GRAY GOODS)
25152	CRIB MATTRESSES, INNERSPRING
25152	CRIB MATTRESSES, RUBBER OR LATEX
23928	CRIB SHEETS MADE FROM PURCHASED FABRIC
22118	CRIB SHEETS, MADE IN BROADWOVEN FABRIC MILLS
25116	CRIBS, WOOD, PAINTED OR FINISHED, INCLUDING SPRINGS SOLD AS PART OF THE CRIB
22841	CROCHET THREAD, COTTON, INCLUDING DARNING, EMBROIDERY AND HAND KNITTING COTTON THREAD, FOR USE IN THE HOME
24318	CROOKS, WOOD, STAIR

Code	Product
28331	CROP SPRAY, ANTIBIOTICS SYNTHETIC BULK
24218	CROSS ARM STOCK
24318	CROSS ARMS, WOOD, FINISHED PRODUCT
24911	CROSS ARMS, WOOD OWNED AND TREATED BY THIS ESTABLISHMENT
34250	CROSSCUTS AND RIPSAWS, CARPENTER, HAND OPERATED
24110	CROSSTIES, HEWN, WOOD
24911	CROSSTIES, RAILWAY, WOOD OWNED AND TREATED BY THIS ESTABLISHMENT
24211	CROSSTIES, WOOD, SAWED
34617	CROWNS, METAL, FOR GLASS AND METAL CONTAINERS
20460	CRUDE CORN OIL
33121	CRUDE LIGHT OIL AND DERIVATIVES, COKE OVEN PRODUCTS
33121	CRUDE TAR, COKE OVEN BYPRODUCTS
37312	CRUISERS, U.S. MILITARY NEW, STEEL
35319	CRUSHERS AND CRUSHING PLANTS, PORTABLE
35322	CRUSHING, PULVERIZING, AND SCREENING MACHINERY, UNDERGROUND MINING MACHINERY
35322	CRUSHING, PULVERIZING, AND SCREENING PLANTS, STATIONARY, FOR MINING
28196	CRYOLITE, ALUMINUM COMPOUND
29110	CRYSTALLINE WAX
20716	CRYSTALLIZED FRUIT AND NUTS
36795	CRYSTALS, QUARTZ, FOR ELECTRONICS
20630	CUBE AND TABLET SUGAR--BEET
20620	CUBE AND TABLET SUGAR CANE
20352	CUCUMBER PICKLES, INCLUDING DILL, SOUR, SWEET, AND FRESH PACK AND RELISH
35228	CULTIVATORS AND WEEDERS, FARM, INCLUDING ATTACHMENTS
28314	CULTURE MEDIA, BACTERIOLOGICAL FOR HUMAN USE
32721	CULVERT PIPE, CONCRETE
34442	CULVERTS, METAL
23890	CUMMERBUNDS
27412	CUMULATIVE INDEXES, PUBLISHED FOR BUSINESS
30794	CUPS AND TUMBLERS, PLASTICS
24430	CUPS, BERRY, VENEER AND PLYWOOD
20522	CUPS, ICE CREAM (BAKERY PRODUCTS)
26542	CUPS, PAPER, FOR FOOD
23920	CUSHIONS, AND FANCY PILLOWS MADE FROM PURCHASED FABRIC OR RUBBER
23940	CUSHIONS, CANVAS, AIR INFLATED, FROM PURCHASED FABRICS
30693	CUSHIONS, LATEX FOAM RUBBER, FULLY MOLDED
32316	CUSTARD CUPS, COOKING, GLASS, FROM PURCHASED GLASS
32291	CUSTARD CUPS, COOKING, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
20240	CUSTARD, FROZEN
20514	CUSTARD PIES, NOT FROZEN
28217	CUSTOM COMPOUNDING OF PURCHASED RESINS
20310	CURED SEAFOOD
20310	CURED SEAFOOD, EXCEPT FROZEN
36430	CURRENT-CARRYING WIRING DEVICES, INCLUDING LIGHTNING RODS
36112	CURRENT METERS, ELECTRICAL
25911	CURTAIN AND DRAPERY RODS, POLES AND FIXTURES FABRICATED IN THIS PLANT
34493	CURTAIN WALL, METAL, FOR BUILDING
23910	CURTAINS, EXCEPT LACE, MADE FROM PURCHASED FABRIC INCLUDING PLASTIC AND GLASS FIBER
22920	CURTAINS, LACE
30798	CURTAINS, PLASTICS, FOR WINDOWS AND SHOWERS
23920	CURTAINS, SHOWERBATH, MADE FROM PURCHASED FABRIC AND PLASTIC
22219	CURTAINS, WINDOW (EXCEPT LACES) OF MANMADE FIBER FABRICS: MADE IN BROADWOVEN FABRIC MILL
24217	CUT STOCK, SOFTWOOD
34211	CUTLERY, BUTCHERS AND MEATPACKING
39142	CUTLERY, TABLE AND KITCHEN, SILVER, SILVER PLATED AND STAINLESS STEEL
34211	CUTLERY, TABLE, KITCHEN, BUTCHERS
36131	CUTOUTS, DISTRIBUTION
36430	CUTOUTS, SWITCH AND FUSE
35451	CUTTERS FOR MILLS, REPLACEABLE INSERTED BLADE
35331	CUTTING AND FISHING TOOLS FOR ROTARY OILFIELD AND GASFIELD DRILLING
29920	CUTTING AND QUENCHING OILS, MADE FROM PURCHASED MATERIALS
35483	CUTTING APPARATUS, GAS-TYPE, INCLUDING MACHINES
29117	CUTLERY AND QUENCHING OILS MADE IN REFINERIES
34232	CUTTING DIES, EXCEPT METAL-CUTTING
35321	CUTTING MACHINERY FOR UNDERGROUND MINING
35451	CUTTING TOOLS, DIAMOND METALWORKING, SMALL CUTTING TOOLS
35419	CUTTING-TYPE MACHINE TOOLS, PARTS FOR, AND REBUILT MACHINE TOOLS
28155	CYCLIC, COAL TAR, CRUDES
28151	CYCLIC, COAL TAR, INTERMEDIATES
34434	CYLINDERS, GAS
35992	CYLINDERS, PNEUMATIC AND HYDRAULIC
35623	CYLINDRICAL ROLLER BEARINGS
28790	DDT, CONTAINING PREPARATIONS FOR AGRICULTURE
35511	DAIRY AND MILK PRODUCTS PLANT MACHINERY AND EQUIPMENT
35228	DAIRY FARM MACHINERY, INCLUDING ATTACHMENTS
35853	DAIRY REFRIGERATORS
20232	DAIRY WEIGHT CONTROL PRODUCTS, CANNED
22114	DAMASKS, COTTON, BROADWOVEN (GRAY GOODS)
35731	DATA PROCESSING MACHINES, ELECTRONIC, AND ASSOCIATED EQUIPMENT, EXCEPT TYPEWRITERS
36612	DATA SETS, DIGITAL OR ANALOG (TELEPHONE, TELEGRAPH)
20341	DATES, DRIED AND DEHYDRATED
35791	DATING DEVICES AND MACHINES, EXCEPT RUBBER STAMPS
25121	DAVENPORTS, UPHOLSTERED WOOD HOUSEHOLD, EXCEPT DUAL PURPOSE
32950	DEAD-BURNED MAGNESIA AND MAGNESITE
27522	DECALCOMANIAS, LABELS, LITHOGRAPHIC PRINTING, EXCEPT TEXTILE
27526	DECALCOMANIAS PRINTED BY LITHOGRAPHIC
27519	DECALCOMANIAS PRINTED BY SCREEN PROCESS
25117	DECK CHAIRS, WOODEN OUTDOOR FURNITURE
28344	DECONGESTANTS, INCLUDING NASAL SPRAYS AND NOSE DROPS
26495	DECORATION, WINDOW, PAPER
30792	DECORATIONS, HOLIDAY PLASTICS
26112	DEFIBRATED WOODPULP
28711	DEFLUORINATED PHOSPHATE ROCK
28711	DEFLUORINATED SUPERPHOSPHATES
28790	DEFOLIANTS, WEED KILLER
28423	DEGREASING COMPOUNDS
35852	DEHUMIDIFIERS, MECHANICAL, ROOM
28348	DEHYDROSTREPTOMYCIN, PHARMACEUTICAL, FOR HUMAN USE
26112	DE-INKED PAPER PULP
26412	DELICATESSEN PAPER, WAXED AND WAX-LAMINATED
36111	DEMAND METERS, KW AND KVA INTEGRATING INSTRUMENTS, ELECTRICAL
28185	DENATURED ETHYL ALCOHOL, EXCEPT RUBBING ALCHOL
22114	DENIMS, COLORED, COTTON YARN FABRICS, CLOTHING BASIS 28-IN. (GRAY GOODS)
38430	DENTAL CHAIRS, CABINETS, LIGHTS AND EQUIPMENT UNITS
28444	DENTAL FLOSS AND DENTAL ADHESIVES
38430	DENTAL INSTRUMENTS, EQUIPMENT AND SUPPLIES
38430	DENTAL LABORATORY EQUIPMENT INCLUDING FURNACES, CASTING MACHINES, LATHES, BENCHES, FLASKS, BLOW PIPES, ETC.
38430	DENTAL WAXES, CEMENTS, GYPSUMS IMPRESSION MATERIALS AND LOW-FUSING ALLOYS
28444	DENTIFRICES, INCLUDING MOUTHWASHES, GARGLES AND RINSES
28444	DENTURE CLEANERS AND ADHESIVES
38430	DENTURE MATERIALS
28423	DEODORANTS, NONPERSONAL
28445	DEODORANTS, PERSONAL
28445	DEPILATORIES, AGENT TO REMOVE HAIR
19990	DEPTH CHARGE RELEASE PISTOLS AND PROJECTORS
19293	DEPTH CHARGES AND PARTS
35319	DERRICKS, EXCEPT OIL AND GAS WELL
35334	DERRICKS, OILFIELD AND GASFIELD, SUBSTRUCTURES AND ACCESSORIES REGULAR AND PORTABLE
28790	DESICANTS, WEED KILLER
25224	DESK EXTENSIONS, STAND ATTACHMENTS AND PLATFORMS, METAL OFFICE FURNITURE
25210	DESK EXTENSIONS, WOOD OFFICE FURNITURE
36427	DESK LAMPS, PORTABLE, RESIDENTIAL, EXCEPT BULB
25311	DESK SEAT COMBINATION, SCHOOL
31990	DESK SETS, LEATHER
39510	DESK SETS, FOUNTAIN-PEN, BALLPOINT AND INKWELL RESERVOIR (DIP) TYPE
38410	DESKS, HOSPITAL
25112	DESKS, HOUSEHOLD, WOOD-FINISHED AND PAINTED
25222	DESKS, METAL OFFICE
25311	DESKS, SCHOOL
25210	DESKS, WOOD OFFICE
25117	DESKS, WOOD, UNPAINTED
20321	DESSERTS, CANNED (BABY FOOD ONLY) INCLUDING CANNED FRUITS
20240	DESSERTS, FROZEN, DAIRY
20373	DESSERTS, FROZEN, EXCEPT DAIRY
20991	DESSERTS (READY-TO-MIX), NOT FROZEN--CORNSTARCH OR GELATIN BASE
37312	DESTROYERS U. S. MILITARY SELF-PROPELLED
28423	DETERGENTS AND ABSORBENTS, SWEEPING COMPOUNDS
28411	DETERGENTS, ALKALINE, AND ACID TYPE CLEANERS, BULK
28416	DETERGENTS, SYNTHETIC, ORGANIC, BULK DRY LIQUID OR SCOURING CLEANERS
28415	DETERGENTS, SYNTHETIC, ORGANIC, HOUSEHOLD DRY, LIQUID OR SCOURING CLEANERS
28423	DETERGENTS, WATERLESS HAND CLEANERS
28921	DETONATORS FOR EXPLOSIVES INDUSTRIALS
27314	DEVOTIONAL BOOKS
28331	DEXTRAN, SYNTHETIC, BULK
20460	DEXTRIN (CORN, TAPIOCA, ETC.)
28314	DIAGNOSTIC AGENTS, BIOLOGICAL FOR HUMAN USE
38410	DIAGNOSTIC APPARATUS, MEDICAL
36611	DIAL AUTOMATIC TELEPHONE SWITCHING EQUIPMENT
35452	DIAL INDICATORS, PRECISION MEASURING TOOLS
28214	DIALLYLPHTHALATE RESINS
32912	DIAMOND ABRASIVES, ARTIFICIAL BONDED
32911	DIAMOND ABRASIVES, SYNTHETIC SIZED GRAIN
33157	DIAMOND CLOTH, FERROUS, MADE IN WIREDRAWING PLANTS
39130	DIAMOND CUTTING AND POLISHING
32912	DIAMOND WHEELS, ABRASIVE BONDED ARTIFICIAL
22112	DIAPER CLOTH BIRDSEYE (GRAY GOODS)
22113	DIAPER CLOTH, GAUZE, GRAY GOODS, MADE IN BROADWOVEN FABRIC MILLS
22110	DIAPERS, COTTON, WOVEN OR KNITTED MADE IN BROADWOVEN FABRIC MILL
23850	DIAPER COVERS, PLASTIC AND RUBBERIZED (NOT ALL RUBBER)
23990	DIAPERS, DISPOSABLE--PAPER NONWOVEN FABRIC--FROM PURCHASED MATERIAL
23990	DIAPERS, WOVEN OR KNITTED MADE FROM PURCHASED FABRIC
30697	DIAPHRAGMS, SEPARATE AND IN KITS, RUBBER (MEDICAL)
27821	DIARIES-BLANKBOOK MAKING
36930	DIATHERMY EQUIPMENT
23393	DICKIES, WOMEN'S AND MISSES'
35791	DICTATING MACHINES
35442	DIE CASTING DIES
35423	DIE CASTING MACHINES, METAL-FORMING
33699	DIE CASTINGS, NONFERROUS EXCEPT ZINC, COPPER, AND ALUMINUM
33129	DIE PRESS AND HAMMER FORGINGS, (OPEN), PRODUCED IN STEEL MILL
33919	DIE PRESS HAMMER FORGINGS, (OPEN), STEEL FORGING FROM PURCHASED MATERIAL
35441	DIE SETS, JIGS AND FIXTURES
35673	DIELECTRIC HEATING EQUIPMENT
35441	DIES AND TOOLS, SPECIAL INCLUDING DIE SETS, JIGS AND FIXTURES
39530	DIES FOR MARKING, SEALS AND METAL STAMPS
35451	DIES, THREADING, SMALL CUTTING TOOLS
35193	DIESEL ENGINES (EXCEPT FOR TRUCK AND BUSES)
37411	DIESEL-ELECTRIC LOCOMOTIVES, NEW AND REBUILT
35194	DIESEL ENGINES (FOR TRUCKS AND BUSES)
35370	DIESEL POWERED INDUSTRIAL TRUCKS AND TRACTORS
29114	DIESEL-TYPE FUEL OIL (LIGHT)
29115	DIESEL-TYPE FUEL OIL (HEAVY)
20511	DIETARY BREAD
20231	DIETARY SUPPLEMENTS, INCLUDING INFANTS (50% OR MORE MILK SOLIDS)
28345	DIETARY SUPPLEMENT LESS THAN 50% MILK BY WEIGHT
20730	DIETETIC CHEWING GUM
20331	DIETETIC FRUITS
20334	DIETETIC FRUIT JUICES
20338	DIETETIC JAMS, JELLIES, AND PRESERVES
20860	DIETETIC SOFT DRINKS BOTTLED AND CANNED, CARBONATED OR STILL
20993	DIETETIC SWEETENING SIRUPS AND MOLASSES
28182	DIETHYLENE GLYCOL
28345	DIGESTIVE SYSTEM PREPARATIONS
35319	DIGGERS, POST-HOLE, TRACTOR-MOUNTING
28343	DIGITALIS PREPARATIONS, PHARMACEUTICAL, FOR HUMAN USE
20961	DI-GLYCERIDES (SHORTENING AND COOKING OILS), VEGETABLE AND ANIMAL
28331	DIHYDROSTREPTOMYCIN, SYNTHETIC BULK
28214	DIISOCYANOTE RESINS

Code	Product
22115	DIMITIES, FINE COTTON, DOBBY AND BOX (GRAY GOODS), BROADWOVEN
25141	DINETTE TABLES, AND CHAIRS, METAL
37323	DINGHIES, BOAT
25141	DINING ROOM CHAIRS AND TABLES, METAL
25113	DINING ROOM FURNITURE, WOOD, FINISHED AND PAINTED
25112	DINING ROOM FURNITURE, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED AND CHILDREEN
20373	DINNERS, FROZEN
30797	DINNERWARE, PLASTICS
32620	DINNERWARE, VITREOUS CHINA
36743	DIODES, SEMICONDUCTORS, SILICON AND GERMANIUM TYPES
27515	DIRECT MAIL ADVERTISING, PRINTED BY LETTERPRESS
27517	DIRECTORIES PRINTING BY GRAVURE
27523	DIRECTORIES PRINTED BY LITHOGRAPHIC
27513	DIRECTORIES PRINTING BY LETTERPRESS
27411	DIRECTORIES, PUBLISHING OF
19410	DIRECTORS, ANTIAIRCRAFT, NAVAL, TORPEDO -- NOT MADE IN OPTICAL PLANT
23929	DISH TOWELS, COTTON, MADE FROM PURCHASED FABRIC
22119	DISH TOWELS, COTTON, MADE IN BROADWOVEN FABRIC MILLS
22114	DISHCLOTH FABRICS, COTTON (GRAY GOODS)
22590	DISHCLOTHS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
26543	DISHES, PAPER, STAMPED
26462	DISHES, PRESSED AND MOLDED PULP
24995	DISHES, WOODEN
35892	DISHWASHERS, COMMERICAL
28411	DISHWASHING COMPOUNDS, MACHINE LIQUID OR SOLID, BULK
36393	DISHWASHING MACHINES, HOUSEHOLD
28790	DISINFECTANTS FOR AGRICULTURE
28423	DISINFECTANTS, OTHER THAN AGRICULTURAL
24994	DISKS, CORK
27525	DISPLAY ADVERTISING, LITHOGRAPHIC PROCESS
27515	DISPLAY ADVERTISING, PRINTED BY LETTERPRESS
27519	DISPLAY ADVERTISING, SCREEN PROCESS PRINTING
25420	DISPLAY CASES, METAL, OFFICE AND STORE, EXCEPT REFRIGERATED
35853	DISPLAY CASES, REFRIGERATED, FOOD
25410	DISPLAY CASES, WOOD, OFFICE AND STORE, EXCEPT REFRIGERATED
35892	DISPOSERS, FOOD WASTE, COMMERCIAL
36393	DISPOSERS, WASTE FOOD, HOUSEHOLD
29114	DISTILLATE FUEL OIL
20851	DISTILLED LIQUORS, EXCEPT BRANDY
20851	DISTILLERS, DRIED GRAINS DARK AND LIGHT
20851	DISTILLERS, DRIED SOLUBLES
36131	DISTRIBUTION CUTOUTS
36133	DISTRIBUTION SWITCHBOARDS, 750 VOLTS AND UNDER
36122	DISTRIBUTION TRANSFORMERS
36945	DISTRIBUTORS FOR INTERNAL COMBUSTION ENGINES
36946	DISTRIBUTOR HEADS AND ROTORS, ENGINE ELECTRICAL EQUIPMENT
35319	DITCHERS AND TRENCHERS, DRAWN, EXCEPT MOTOR
35319	DITCHERS AND TRENCHERS, SELF PROPELLED
20423	DOG AND CAT FOOD, CANNED, DRY OR SEMIMOIST
31990	DOG COLLARS, LEATHER
20423	DOG FOOD, BISCUIT, PELLETS, MEAL
20423	DOG FOOD, CANNED
26495	DOILIES, PAPER
22920	DOILIES, TABLE AND DRESSES, LACE
23920	DOILIES, TABLE, EXCEPT LACE, MADE FROM PURCHASED FABRIC
39410	DOLL CARRIAGES AND DOLL CARTS
39420	DOLL CLOTHES AND ACCESSORIES
39410	DOLL HOUSES AND FURNITURE
39420	DOLL PARTS
35370	DOLLIES, HANDTRUCKS
39420	DOLLS, AND STUFFED TOY ANIMALS, INCLUDING PARTS FOR SUCH ITEMS
32740	DOLOMITE, DEAD-BURNED
36312	DOMESTIC COOKING APPLIANCES EXCEPT ELECTRIC
35613	DOMESTIC HAND AND WINDMILL PUMPS
34334	DOMESTIC HEATING STOVES
35613	DOMESTIC WATER SYSTEMS AND PUMPS, INCLUDING PUMP JACKS AND CYLINDERS
36121	DOORBELL TRANSFORMERS
34294	DOOR BOLTS
34294	DOOR CLOSERS AND CHECKING DEVICES
24313	DOOR FRAMES, WOOD SHIPPED IN DOOR UNITS--MILLWORK PLANT PRODUCT
34294	DOOR LOCKS, LOCKSETS AND LOCK TRIM
34421	DOORS AND FRAMES (EXCEPT STORM) ALUMINUM INDUSTRIAL AND RESIDENTIAL
34421	DOORS AND FRAMES, METAL EXCEPT STORM DOORS
30796	DOORS AND PARTITIONS, PLASTICS, FOR CONSTRUCTION, FOLDING ACCORDING TYPE
34421	DOORS, ELEVATOR, METAL
34421	DOORS, HANGER, IRON AND STEEL
34421	DOORS, JALOUSIE, METAL
24314	DOORS, WOOD, FLUSH TYPE, HOLLOW AND SOLID CORE, SOFTWOOD, HARDWOOD AND NONWOOD FACE, FOR INTERIOR AND EXTERIOR
24314	DOORS, WOOD, GENERAL CONSTRUCTED INTERIOR AND EXTERIOR, PANEL AND FLUSH TYPE
24314	DOORS, WOOD, GENERAL CONSTRUCTION SHIPPED IN UNITS
24314	DOORS, WOOD, PANEL TYPE, INTERIOR AND EXTERIOR, DOUGLAS FIR, WESTERN PINES AND OTHER SPECIES
24315	DOORS, WOOD, SPECIAL, INCLUDING CABINET, FRENCH, GARAGE, GRAIN, LOUVRE AND SCREEN, STORM, AND COMBINATION TOILET, ETC.
37323	DORY, BOAT
38216	DOSIMETERS
22115	DOTTED SWISS, FINE COTTON GOODS (GRAY GOODS) BROADWOVEN
35853	DOUGH RETARDERS, REFRIGERATED
20455	DOUGHNUT DRY MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20415	DOUGHNUT DRY MIXES (MADE IN FLOUR MILLS)
20517	DOUGHNUTS, CAKE-TYPE (BAKING POWDER LEAVENED)
20512	DOUGHNUTS, YEAST, RAISED
20455	DOUGHS, REFRIGERATED--MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
20415	DOUGHS REFRIGERATED--MADE IN FLOUR MILLS
24995	DOWEL AND DOWEL PINS
35318	DOZERS, TRACTOR-MOUNTING CABLE AND HYDRAULIC
38113	DRAFTING AND SURVEYING INSTRUMENTS
35314	DRAGLINES, POWER
34443	DRAINBOARD AND TABLE TOPS, SHEET METAL, RESTAURANT, HOTEL AND KITCHEN
25410	DRAINBOARDS, PLASTIC LAMINATED
28423	DRAIN PIPE SOLVENTS AND TOILET BOWL CLEANER
32592	DRAIN TILE
32721	DRAIN TILE AND CONDUITS, CONCRETE
26461	DRAINAGE AND SEWER PIPE (MOLDED PULP OR PAPIER MACHE)
34320	DRAINS AND OVERFLOWS, BATH FIXTURES BRASS GOODS
34320	DRAINS, LAVATORY BRASS GOODS
23910	DRAPERIES, EXCEPT LACE, MADE FROM PURCHASED FABRIC INCLUDING PLASTIC AND GLASS FIBER
26495	DRAPERIES, PAPER
22219	DRAPERIES, OF MANMADE FIBER FABRICS: MADE IN BROADWOVEN FABRIC MILL
22212	DRAPERY AND UPHOLSTERY FABRIC, NYLON (GRAY GOODS), 100% FILAMENT
22116	DRAPERY FABRICS, COTTON, INCLUDING JACQUARD (GRAY GOODS)
22211	DRAPERY FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
22541	DRAWERS, (MEN'S AND BOYS' KNIT UNDERWEAR) MADE FROM YARNS OR FABRIC KNIT IN SAME ESTABLISHMENT
23221	DRAWERS, UNDERWEAR, MEN'S AND BOYS', MADE OF WOVEN OR PURCHASED KNIT FABRIC
23412	DRAWERS, UNDERWEAR, WOMEN'S AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
24317	DRAWERS, WOOD, FOR BUILT-IN CABINETS PER CUSTOM SPECIFICATIONS
35485	DRAWING MACHINES, METAL
39522	DRAWING TABLES AND BOARDS ARTISTS' MATERIAL
37311	DREDGES, NONPROPELLED, NEW
37313	DREDGES, SELF-PROPELLED, CIVILIAN
35319	DREDGING MACHINERY, HYDRAULIC AND OTHERS
23811	DRESS GLOVES AND MITTENS, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23850	DRESS SHIELDS, WATERPROOF, EXCEPT ALL RUBBER
23214	DRESS SHIRTS, WOVEN MEN'S, YOUTHS' AND BOYS, INCLUDING UNIFORM MADE FROM PURCHASED FABRIC
22562	DRESS, SUITING, AND SPORTSWEAR FABRIC, CIRCULAR KNIT AND FINISHED IN KNIT FABRIC MILL
24212	DRESSED LUMBER, INCLUDING CEILING, FRAMING, PARTITION, MADE IN A SAWMILL OR PLANING MILL
23920	DRESSER COVERS, MADE FROM PURCHASED FABRIC
25115	DRESSERS AND DRESSING TABLES, WOODEN, PAINTED OR FINISHED
22533	DRESSES AND SUITS, KNIT, FROM YARN OR FABRIC KNIT IN THE SAME ESTABLISHMENT
23619	DRESSES, GIRLS', CHILDREN'S, AND INFANTS', (RECEIPTS FOR CONTRACT WORK)
23610	DRESSES, GIRLS', CHILDREN'S AND INFANTS' SIZES 0 TO 16
23359	DRESSES, WOMEN'S, MISSES', AND JUNIORS' (CONTRACT AND COMMISSION RECEIPTS)
23352	DRESSES, WOMEN'S, MISSES', AND JUNIORS', SOLD AT A DOZEN-PRICE
23351	DRESSES, WOMEN'S, MISSES', AND JUNIORS', SOLD AT A UNIT-PRICE
23840	DRESSING GOWNS, EXCEPT CHILDREN'S
25117	DRESSING TABLES, WOOD, UNPAINTED
20354	DRESSINGS, SALAD
20942	DRIED BLOOD, FERTILIZER
35324	DRILLBITS, PERCUSSION ROCK
35332	DRILLING MACHINES AND EQUIPMENT FOR OILFIELDS AND GASFIELDS INCLUDING CEMENTING, FLOATING, GUIDING, AND SHOE EQUIPMENT
35532	DRILLING MACHINES, WOODWORKING, FOR HOME WORKSHOPS, GARAGES, AND SERVICE SHOPS
35418	DRILLING MACHINES, METAL-CUTTING TYPE FOR HOME WORKSHOP, GARAGES, ETC.
35412	DRILLING MACHINES, METAL-CUTTING TYPE
35334	DRILLING RIGS, PORTABLE, FOR OIL AND GAS OR WATER WELLS
35451	DRILLS AND BITS, SMALL HANDTOOLS
35324	DRILLS, CORE, FOR MINING AND CONSTRUCTION
38430	DRILLS, DENTAL
34232	DRILLS, EDGE TOOL, HAND OPERATED
35482	DRILLS, ELECTRIC AND PNEUMATIC, HAND
35324	DRILLS, MINING AND CONSTRUCTION, EXCEPT OILFIELD AND GASFIELD, WATER WELLS, AND BLAST HOLE PORTABLE DRILLING RIGS
35324	DRILLS, ROCK, FOR MINING AND CONSTRUCTION
22112	DRILLS, SHEETING YARN (COTTON) (GREY GOODS)
35319	DRILLS, WATER WELL AND BLAST HOLE
34310	DRINKING FOUNTAINS, ENAMELED IRON
32610	DRINKING FOUNTAINS, VITREOUS CHINA, AND GLAZED EARTHENWARE
32291	DRINKING STRAWS, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	DRINKING STRAWS, MADE OF PURCHASED GLASS
35853	DRINKING WATER COOLER, MECHANICAL REFRIGERATED
20860	DRINKS, SOFT, CANNED AND BOTTLED--DIETETIC OR NONDIETETIC
35662	DRIVES, INDUSTRIAL, HIGH SPEED, FIXED RATIO EXCEPT AUTO AND AIRCRAFT
35441	DROP-FORGING DIES
30697	DRUGGIST GOODS OF RUBBER
28332	DRUGS OF ANIMAL ORIGIN IN BULK, INCLUDING DRIED GLANDS, ORGANS, TISSUE AND EXTRACTIONS FROM ANIMALS
26551	DRUMS, PAPERBOARD AND FIBER
30794	DRUMS, PLASTICS, (PACKAGING AND SHIPPING CONTAINERS)
24430	DRUMS, PLYWOOD
34912	DRUMS, STEEL, SHIPPING EXCEPT BEER BARRELS
39314	DRUMS, TRAPS (DRUMMERS) PARTS AND ACCESSORIES MUSICAL INSTRUMENTS
35820	DRYCLEANING MACHINERY AND EQUIPMENT, COMMERCIAL
28423	DRYCLEANING PREPARATIONS LIQUID
35820	DRYCLEANING PRESSES, TAILOR TYPE
35511	DRY MILK PROCESSING MACHINERY AND EQUIPMENT
20231	DRY MILK PRODUCTS
32722	DRY-MIXED CONCRETE MATERIAL (PREPARED SAND, GRAVEL AND CEMENT MIXTURES)
36343	DRYERS, HAND AND FACE, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS)
35820	DRYERS AND DRYING TUMBLERS, COMMERCIAL LAUNDRIES
36331	DRYERS, HOUSEHOLD
33157	DRYING BELTS, FERROUS, MADE IN WIREDRAWING PLANTS
33157	DRYING BELTS OF WOVEN WIRE OR WOVEN WIRE CLOTH FERROUS, MADE IN WIRE-DRAWING PLANT
34814	DRYING BELTS OF WOVEN WIRE OR WOVEN WIRE CLOTH, FERROUS NOT PRODUCED BY WIREDRAWERS
22111	DUCK, COTTON, ALLIED FABRICS, (GRAY GOODS, INCLUDING COMBED DUCK)
20155	DUCKS, DRESSED, AND PACKED
34336	DUCT FURNACES
36136	DUCT, INCLUDING PLUG-IN UNITS AND ACCESSORIES, 750 VOLTS AND UNDER
34443	DUCTS AIR-CONDITIONING, FURNACE, VENTILATION, SHEET METAL
35340	DUMBWAITERS--ELEVATOR
23393	DUNGAREES AND JEANS, WOMEN'S, MISSES', AND JUNIORS'
23690	DUNGAREES, GIRLS', CHILDREN'S, AND INFANTS' MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23282	DUNGAREES, MEN'S AND BOYS' WORK CLOTHING

Code	Product
24218	DUNNAGE, SAWMILL AND PLANING MILL PRODUCTS
35791	DUPLICATING MACHINES
26216	DUPLICATOR PAPER
20411	DURUM FLOUR
35642	DUST COLLECTION AND AIR PURIFICATION EQUIPMENT
30798	DUST PANS, PLASTICS
23920	DUSTERS AND DUSTING CLOTHS (EXCEPT OIL TREATED) MADE FROM PURCHASED FABRIC
35228	DUSTERS AND SPRAYERS INCLUDING ATTACHMENTS
23840	DUSTERS (APPAREL)
39620	DUSTERS, FEATHERS
35222	DUSTERS, SPRAYERS, AND ATTACHMENTS, FARM MACHINERY
34492	DWELLINGS, METAL PREFABRICATED COMPLETE UNITS
24332	DWELLINGS, WOOD, PREFABRICATED, SOLD AS COMPLETE UNITS, INCLUDING THOSE SHIPPED IN SECTIONS OR PANELS
24332	DWELLINGS, WOOD, READY CUT, COMPLETE UNITS TO BE ASSEMBLED ELSEWHERE
22628	DYED AND FINISHED (PLAIN)--MANMADE FIBER OR SILK BROADWOVEN FABRIC
22218	DYED AND FINISHED (PLAIN) MANMADE FIBER AND SILK, MADE IN BROAD-WOVEN FABRIC MILL
22117	DYED, PLAIN, COTTON MADE IN BROADWOVEN FABRIC MILL
22812	DYED YARN, COMBED COTTON, FINISHED IN YARN SPINNING MILLS
22814	DYED YARN EXCEPT KNIT OR WOOL GREY OR FINISHED IN YARN SPINNING MILL
22690	DYED YARNS, EXCEPT KNIT OR WOOL (YARN PURCHASED ELSEWHERE)
22569	DYEING KNIT FABRICS, COMMISSION RECEIPTS--PRODUCED IN A KNIT FABRIC MILL
22539	DYEING KNIT OUTERWEAR PRODUCTS (COMMISSION AND CONTRACT RECEIPTS)
35521	DYEING MACHINERY, TEXTILE
22619	DYEING (PLAIN) COTTON BROADWOVEN FABRICS, FOR COMMISSION CONTRACT, ETC.
22617	DYED (PLAIN) COTTON FROM BROADWOVEN PURCHASED FABRICS
22629	DYING (PLAIN) OF MANMADE FIBER AND SILK BROADWOVEN FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
28152	DYES, CYCLIC, SYNTHETIC ORGANIC
28993	DYES, HOUSEHOLD
28152	DYES, SYNTHETIC ORGANIC
28612	DYESTUFFS, NATURAL, FROM WOOD PRODUCTS
36215	DYNAMOTORS (EXCEPT PARTS AND SUPPLIES)
39111	EARRINGS, PINS, CLIPS, BROACHES OF PLATINUM AND CARAT GOLD
39112	EARRINGS, PINS, CLIPS, BROACHES OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
32690	EARTHENWARE, RED UNGLAZED
32630	EARTHENWARE, WHITEWARE, TABLE AND KITCHEN ARTICLES
27526	EASTER AND CHRISTMAS SEALS PRINTED BY LITHOGRAPHIC
27516	EASTER SEALS PRINTED BY LETTERPRESS
34441	EAVE TROUGHS, ROOF DRAINAGE EQUIPMENT
20515	ECLAIRES, PASTRIES NOT FROZEN
34232	EDGE TOOLS, HAND OPERATED
22920	EDGINGS, INSERTIONS, GALLOONS, FLOUNCINGS AND ALLOVER LEAVERS LACE MACHINE PRODUCTS
22920	EDGINGS, LACE
27891	EDITION BOOKBINDING, INCLUDING TRADE, TEXT, REFERENCE BOOKS AND OTHERS (HARDBOUND)
26462	EGG CARTONS, PRESSED AND MOLDED PULP
24411	EGG CASES - WOODEN BOXES
20264	EGGNOG, PACKAGED IN THIS PLANT
20156	EGGS, LIQUID, DRIED, AND FROZEN
22116	ELASTIC COTTON FABRICS, BROADWOVEN (GRAY GOODS)
22414	ELASTIC BRAIDED FABRICS
22562	ELASTIC FABRICS, FINISHED, CIRCULAR KNIT IN KNIT FABRIC MILL
22533	ELASTIC FABRIC SWIMWEAR, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
38421	ELASTIC STOCKINGS, BRACES, SUSPENSORIES, AND ELASTIC SUPPORTS
22411	ELASTIC WOVEN NARROW FABRICS
28220	ELASTOMERS VULCANIZABLE SYNTHETIC RUBBER
26219	ELECTRIAL INSULATION PAPER AND PAPERBOARD, INCLUDING ARMATURE, SPECIAL INDUSTRIAL
36343	ELECTRIC BLANKETS
22114	ELECTRIC BLANKET SHELL FABRICS, GRAY GOODS, MADE IN COTTON BROAD-WOVEN FABRIC MILLS
22217	ELECTRIC BLANKET SHELLS, WHOLLY OR GHIEFLY SPUN ACRYLIC AND MODACRYLIC, 100% SPUN YARN FABRIC, MADE IN BROADWOVEN FABRIC MILLS
36343	ELECTRIC BLANKETS, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
36344	ELECTRIC CONTROLS FOR SMALL HOUSEHOLD ELECTRICAL APPLIANCES
36341	ELECTRIC FANS (EXCEPT INDUSTRIAL TYPE)
36992	ELECTRIC GONGS, CHIMES AND BELLS
35671	ELECTRIC INDUSTRIAL OVEN INCLUDING INFRARED (EXCEPT PARTS, ATTACHMENTS, AND COMPONENTS)
35671	ELECTRIC INDUSTRIAL FURNACES, METAL PROCESSING (EXCEPT PARTS, ATTACHMENTS, AND COMPONENTS)
22411	ELECTRIC INSULATING TAPES, WOVEN
36992	ELECTRIC LAMP BULB BASES AND COMPONENTS
36410	ELECTRIC LAMP BULBS, INCLUDING SEALED BEAM LAMPS
32292	ELECTRIC-LIGHT BULB BLANKS - FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
36421	ELECTRIC LIGHTING FIXTURES RESIDENTIAL, EXCEPT PORTABLE (EXCEPT BULBS) (EXCEPT PARTS AND ACCESSORIES)
35370	ELECTRIC TRUCKS AND TRACTORS, INDUSTRIAL
36992	ELECTRIC WARM AIR FURNACES
38424	ELECTRICAL AND ELECTRONIC HEARING AIDS
36344	ELECTRICAL APPLIANCES, SMALL HOUSEHOLD, PARTS AND ATTACHMENTS ONLY
36442	ELECTRICAL METALLIC TUBING
32640	ELECTRICAL SUPPLY PRODUCTS OF PORCELAIN, STEATITE, CERAMIC
32292	ELECTRICAL TUBING (INCLUDING FLUORESCENT AND NEON) FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
36930	ELECTROCARDIOGRAPH
36930	ELECTROENCEPHALOGRAPHS
36930	ELECTROTHERAPEUTIC APPARATUS
36240	ELECTRODES, CARBON AND GRAPHITE, FOR ELECTRIC FURNACES AND ELECTROLYTIC CELL USE
36240	ELECTRODES, CARBON AND GRAPHITE FOR WELDING, BATTERIES, PLUGS, PLATES, RODS AND POWER TUBES
36232	ELECTRODES FOR SUBMERGED ARC WELDING
36232	ELECTRODES - METAL - ARC WELDING ALLOY STEEL, COIL, HARD SURFACING AND NONFERROUS
36930	ELECTROMEDICAL APPARATUS
33121	ELECTROMETALLURGICAL PRODUCTS, MADE IN BLAST FURNACES
36710	ELECTRON TUBES, RECEIVING TYPES, EXCEPT CATHODE RAY
36730	ELECTRON TUBES - TRANSMITTING INDUSTRIAL AND SPECIAL PURPOSE, EXCEPT X-RAY TUBES AND CATHODE RAY PICTURE TUBES
38424	ELECTRONIC AND ELECTRICAL HEARING AIDS
36792	ELECTRONIC APPLICATION CAPACITORS AND CONDENSERS
36625	ELECTRONIC CHECKOUT, MONITORING, EVALUATION AND OTHER ELECTRONIC SUPPORT EQUIPMENT FOR RADAR SYSTEMS
35731	ELECTRONIC COMPUTING EQUIPMENT, EXCLUDING TYPEWRITERS, EXCEPT PARTS AND ATTACHMENTS
36795	ELECTRONIC DEVICES AND TUBES - PARTS AND ACCESSORIES ONLY (EXCEPT GLASS BLANKS)
32292	ELECTRONIC GLASSWARE FROM GLASS PRODUCED IN THIS ESTABLISHMENT
32316	ELECTRONIC GLASSWARE, FROM PURCHASED MATERIALS
35891	ELECTRONIC STOVES AND OVENS, COMMERICAL, INCLUDING PARTS AND ACCESSORIES
36311	ELECTRONIC STOVES AND OVENS, HOUSEHOLD
36626	ELECTRONIC TEACHING MACHINES AND TEACHING AIDS
35595	ELECTRONIC TUBE MAKING MACHINERY
36795	ELECTRONIC TUBE PARTS (INCLUDING TELEVISION)
36626	ELECTRONIC WARFARE SYSTEMS AND EQUIPMENT
33574	ELECTRONIC WIRE (COMMUNICATION)
35641	ELECTROSTATIC PRECIPITATION EQUIPMENT
34710	ELECTROPLATING, PLATING, POLISHING
35552	ELECTROTYPING MACHINERY AND EQUIPMENT
27940	ELECTROTYPING, STEREOTYPING AND MATRIX PLATES FOR LETTERPRESS
27311	ELEMENTARY TEXT BOOKS, PRINTING AND PUBLISHING
35222	ELEVATORS AND BLOWERS, FARM MACHINERY, AND ATTACHMENTS
35340	ELEVATORS AND MOVING STAIRWAYS, EXCEPT FARM AND PORTABLE
35228	ELEVATORS, FARM
35370	ELEVATORS, PORTABLE, STACKERS EXCEPT FARM
35331	ELEVATORS, SPIDERS, SLIPS, HOOKS, LINKS, AND CONNECTORS, OILFIELD AND GAS-FIELD DRILLING MACHINERY AND EQUIPMENT
39943	EMBALMING CHEMICALS
23990	EMBLEMS, FROM PURCHASED FABRIC
23959	EMBROIDERING, (EXCEPT SCHIFFLI-MACHINE) ON MATERIALS OWNED BY OTHERS (COMMISSION RECEIPTS)
23951	EMBROIDERIES (EXCEPT SCHIFFLI-MACHINE PRODUCTS)
23970	EMBROIDERIES, SCHIFFLI-MACHINE
35521	EMBROIDERY MACHINES, TEXTILE
34294	EMERGENCY EXIT DEVICES (ANTIPANIC DEVICES)
28430	EMULSIFIERS
20871	EMULSIONS, FLAVORING EXTRACTS, NATURAL, TRUE OR IMITATION
28511	ENAMEL PAINTS, TRADE SALE PRODUCTS
28993	ENAMEL, VITREOUS, FRIT
22953	ENAMELED FABRICS
34790	ENAMELING OF METAL
28513	ENAMELS, OIL-TYPE INTERIOR TRADE SALES
38211	ENGINE INSTURUENT, AIRCRAFT, EXCEPT FLIGHT
37222	ENGINES, AIRCRAFT, EXCEPT U.S. MILITARY CUSTOMERS
37221	ENGINES, AIRCRAFT, FOR U.S. MILITARY CUSTOMERS
37225	ENGINES AND/OR PROPULSION UNITS FOR COMPLETE MISSILES OR SPACE VEHICLES
37143	ENGINES AND OTHER MOTOR VEHICLE PARTS (EXCEPT CARBORATORS) - REBUILT ONLY
37226	ENGINES AND/OR PROPULSION UNITS FOR MISSILE OR SPACE VEHICLES, RESEARCH AND DEVELOPMENT RECEIPTS
37227	ENGINES AND/OR PROPULSION UNITS FOR MISSILE OR SPACE VEHICLES, SERVICES FOR, EXCEPT RESEARCH AND DEVELOPMENT
37141	ENGINES, AUTOMOBILE, GASOLINE
35193	ENGINES, DIESEL (EXCEPT FOR TRUCK AND BUSES)
35197	ENGINES, DUAL-FUEL, TANK AND CONVERTED
35194	ENGINES (FOR TRUCKS AND BUSES)
35196	ENGINES, GAS, EXCEPT GAS TURBINES
35191	ENGINES, GASOLINE, UNDER 11 HORSEPOWER EXCEPT AIRCRAFT, AUTO, TRUCK, BUS, AND TANK
35192	ENGINES, GASOLINE, 11 HORSEPOWER AND OVER, EXCEPT AIRCRAFT, AUTOMOBILE, TRUCK, BUS, AND TANK
35112	ENGINES, STEAM, AND PARTS
35552	ENGRAVERS MATERIALS AND EQUIPMENT
34790	ENGRAVING, COATING OF METAL
27530	ENGRAVING FOR COMMERCIAL, SOCIAL AND SECURITY, EXCEPT PHOTOENGRAVING
38611	ENLARGERS, FILM
24318	ENTRANCES, WOOD, EXTERIOR, ARCHITECTURAL
35540	ENVELOPE MAKING MACHINES
35791	ENVELOPE STUFFING, SEALING AND ADDRESSING MACHINES
26420	ENVELOPES, ALL TYPES, SIZES, AND MATERIALS, FOR ALL USES, SUCH AS MAILING, PACKAGING, BUSINESS SYSTEM NONMAILING, EXCEPT STATIONERY ENVELOPES, PORTFOLIOS AND UNDER ARM CASES, ETC.
26491	ENVELOPES AND PAPER, PACKAGED STATIONERY
26491	ENVELOPES, STATIONERY PACKAGED
31610	ENVELOPES - UNDERARM CASES AND PORTFOLIOS
28181	ENZYMES
28214	EPOXY RESINS
28199	EPSOM SALTS
19110	EQUIPMENT FOR HEAVY WEAPONS OVER 30 MM. (OR OVER 1.18 INCHES)
35340	ESCALATORS
37312	ESCORT VESSELS, U.S. MILITARY NEW
28993	ESSENTIAL OILS, SUCH AS CITRUS OILS, PEPPERMINT OILS, ETC.
28183	ESTERS OF PHOSPHORIC ACID
28341	ESTROGENS, SUCH AS ESTRADIOL AND ESTRONE
28331	ESTROGENS, SYNTHETIC, BULK
28182	ETHER, ETHYL, ETHYLENE GLYCOL, DIETHYLENE GLYCOL
28182	ETHYL ACETATE, ACYCLIC
28185	ETHYL ALCHOL
28182	ETHYL ETHER
28182	ETHYLENE GLYCOL ALCOHOLS
28182	ETHYLENE GLYCOL ETHER
20232	EVAPORATED MILK, CANNED
20233	EVAPORATED MILK, SHIPPED IN BULK, (BARRELS, DRUMS, TANKS)
35857	EVAPORATIVE AIR COOLERS
35851	EVAPORATIVE CONDENSERS (HEAT TRANSFER EQUIPMENT)
35319	EXCAVATION MACHINERY
24290	EXCELSIOR, WOOD, INCLUDING BALED, BULK, PADS, AND WRAPPERS, MADE IN A SAWMILL
24290	EXCELSIOR WRAPPERS A SAWMILL PRODUCT
32950	EXFOLIATED VERMICULITE
35641	EXHAUST AND VENTILATING FANS AND PARTS, INDUSTRIAL
24994	EXPANSION JOINT MATERIAL, CORK
34336	EXPANSION TANKS, INCLUDING BASEMENT TANKS

Code	Product
26112	EXPLODED WOODPULP
28921	EXPLOSIVES, INDUSTRIAL
28922	EXPLOSIVES PRODUCED IN GOVERNMENT OWNED CONTRACTOR PLANTS
24995	EXTENSION PLANKS, WOODEN
28511	EXTERIOR OIL-TYPE PAINTS TRADE SALE
28512	EXTERIOR WATER-TYPE PAINT, TRADE SALE
28421	EXTERMINANTS, INDUSTRIAL AND HOUSEHOLD
39991	EXTINGUISHERS, FIRE, CHEMICAL, PRESSURIZED WATER, ETC.
20820	EXTRACT, MALT, LIQUORS, AND BREWERS BYPRODUCTS
35820	EXTRACTORS, COMMERCIAL LAUNDRIES
28314	EXTRACTS, ALLERGENIC, BIOLOGICAL FOR HUMAN USE
28342	EYE AND EAR PREPARATIONS, EXCEPT ANTI-INFECTIONS, PHARMACEUTICAL FOR HUMAN USE
28445	EYE SHADOW
38511	EYEGLASSES AND SPECTACLES, OPHTHALMIC
35521	FABRIC MACHINERY, TEXTILE POWER LOOMS AND KNITTING MACHINES
28423	FABRIC SOFTENERS
22217	FABRIC SPECIALTIES OF 100% SPUN YARN AND BLENDS CHIEFLY MANMADE FIBERS, GRAY GOODS, MADE IN BROADWOVEN FABRIC MILLS
22960	FABRIC, TIRE AND TIRE CORD, COTTON OR MANMADE FIBER
24331	FABRICATED FRAMING AND STRUCTURAL MEMBERS OF GLUED LAMINATED OR SAWN LUMBER OR BOTH IN COMBINATION
24262	FABRICATED INDUSTRIAL PARTS, HARDWOOD DIMENSION STOCK
34980	FABRICATED PIPE AND FITTINGS MADE FROM PURCHASED PIPE
34432	FABRICATED STEEL PLATE
34413	FABRICATED STRUCTURAL IRON AND STEEL FOR PUBLIC UTILITIES, SHIPS, TRANSMISSION TOWERS
34412	FABRICATED STRUCTURAL METAL (IRON, STEEL, ALUMINUM) FOR BRIDGES ONLY
34411	FABRICATED STRUCTURAL METAL (IRON, STEEL, OR ALUMINUM) FOR BUILDINGS ONLY
22414	FABRICS, BRAIDED, INCLUDING ELASTIC
22562	FABRICS, CIRCULAR KNIT AND FINISHED IN A KNIT FABRIC MILL
22953	FABRICS, ENAMELED
22953	FABRICS, INSULATING, VARNISHED
22953	FABRICS, LAMINATED
22411	FABRICS, NARROW WOVEN
22951	FABRICS, PYROXYLIN-COATED-ON A TEXTILE BASE, LIGHT AND HEAVY COTTON SHADE CLOTH AND OTHER FABRICS
22952	FABRICS, RESIN-COATED-LIGHT AND HEAVY WEIGHT-WOVEN, KNITTED AND NONWOVEN
30698	FABRICS, RUBBER COATED
22561	FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
22953	FABRICS, WAXED
28445	FACE POWDER
38423	FACE SHIELDS, PROTECTION DEVICES
26472	FACIAL TISSUES, PAPER
26210	FACIAL TISSUE STOCK
36626	FACSIMILE EQUIPMENT, ELECTRONIC
25990	FACTORY FURNITURE
22216	FAILLES, COMBINATION FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
37141	FAN BELTS, VEHICLE
27611	FANFOLD BUSINESS FORMS, CONTINUOUS, MANUFACTURING OF MULTIPLE COPIES EITHER HINGED OR JOINED
35641	FANS AND BLOWERS, INDUSTRIAL
36341	FANS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
36341	FANS, EXHAUST AND VENTILATING, FOR KITCHEN AND HOUSEHOLD (ELECTRIC) (EXCEPT PARTS AND ATTACHMENTS)
36341	FANS, WINDOW TYPE, ELECTRIC HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
20430	FARINA AND WHEAT BREAKFAST FOOD, COOKED BEFORE SERVING
20411	FARINA, NOT FOR CEREAL FOOD
24332	FARM BUILDINGS, WOOD, PREFABRICATED, SOLD AS COMPLETE UNITS, INCLUDING THOSE SHIPPED IN SECTIONS OR PANELS
24332	FARM BUILDINGS, WOOD, READY-CUT, COMPLETE UNITS TO BE ASSEMBLED ELSEWHERE
35222	FARM DAIRY MACHINES AND EQUIPMENT AND ATTACHMENTS
35228	FARM ELEVATORS
35222	FARM ELEVATORS AND FARM BLOWERS, AND ATTACHMENTS
35229	FARM MACHINERY PARTS SOLD SEPARATELY
27211	FARM MAGAZINES, SUBSCRIPTION AND SINGLE COPY SALES
27212	FARM PERIODICAL ADVERTISING RECEIPTS
27211	FARM PERIODICAL SUBSCRIPTIONS AND SALES RECEIPTS
34492	FARM SERVICE BUILDINGS, PREFABRICATED AND PORTABLE METAL (LIVESTOCK SHELTERS, MACHINERY STORAGE, ETC.)
34437	FARM STORAGE TANKS, METAL NONPRESSURE, STANDARD
37992	FARM, WAGONS, TRUCKS, AND OTHER FARM TRANSPORTATION EQUIPMENT AND PARTS
20263	FARMERS' CHEESE
39641	FASTENERS, EXCEPT SLIDE FASTENERS
34522	FASTENERS, INDUSTRIAL (NONSTANDARD)
34522	FASTENERS, INDUSTRIAL, SPECIAL
34521	FASTENERS, INDUSTRIAL, STANDARD
39641	FASTENERS, SLIDE, AND ZIPPERS
20210	FAT, BUTTER, ANHYDROUS
20210	FAT, MILK, ANHYDROUS
20961	FATS, EDIBLE, INCLUDING SHORTENING AND OILS FOR BAKING AND FRYING
20943	FATS, EXCEPT COOKING, ANIMAL AND MARINE, EXCEPT GREASE AND TALLOW
28992	FATTY ACIDS, PRODUCED FOR SALE AS SUCH FROM OWN OR PURCHASED MATERIALS
34320	FAUCETS FOR BATHTUB, LAUNDRY TRAY SINKS, ETC., BRASS GOODS
20942	FEATHER MEAL
39620	FEATHERS, PLUMES, AND ARTIFICIAL FLOWERS
32950	FELDSPAR, GROUND
22910	FELT GOODS, EXCEPT WOVEN FELTS AND HATS
22910	FELT, PRESSED WOOL, FOR INDUSTRIAL AND OTHER USE
22910	FELT, PUNCHED OR NEEDLED, MADE FROM HAIR AND JUTE, LAMINATED WITH FOAM OR SPONGE, ETC., WOOD OR SYNTHETIC FIBER
29521	FELTS, ASPHALT AND TAR SATURATED, NONBUILDING USE
22314	FELTS, BROADWOVEN FINISHED WOOD, NONAPPAREL
22312	FELTS, BROADWOVEN WOOL (GRAY GOODS)
29523	FELTS, SATURATED WITH ASPHALT OR TAR
26612	FELTS, SATURATING AND DRY, FOR ROOFING, FLOOR COVERING, LINOLEUM, AUTOMOTIVE, PIPE COVERING AND REFRIGERATION
28345	FEMININE HYGIENE PRODUCTS
20942	FEED AND FERTILIZER BYPRODUCTS
20421	FEED, POULTRY, PREPARED COMPLETE, SUPPLEMENTS AND CONCENTRATES
20422	FEED, PREPARED, LIVESTOCK, COMPLETE, SUPPLEMENTS AND CONCENTRATES
20424	FEED SPECIALLY PREPARED FOR LABORATORY AND FUR ANIMALS, BIRDS, ETC.
20424	FEEDING MATERIALS AND ADJUNCTS, ANIMAL, OTHER THAN COMPLETE LIVESTOCK AND POULTRY FEED, AND OTHER THAN DOG AND CAT FOOD
20424	FEED FOR FUR ANIMALS (MINK, FOX, ETC.)
20424	FEED FOR LABORATORY ANIMALS (MOUSE, GUINEA PIGS, ETC.)
36293	FENCE CONTROLLERS, ELECTRICAL FOR INDUSTRIAL USE
33156	FENCE GATES, POSTS AND FITTINGS MADE IN WIREDRAWING PLANTS
34816	FENCE GATES, POSTS AND FITTINGS NOT PRODUCED BY WIREDRAWERS
24995	FENCE, SNOW, WOODEN, COMPLETE
34460	FENCES AND GATES, METAL EXCEPT WIRE
33156	FENCING AND FENCE GATES MADE IN WIREDRAWING PLANTS, STEEL WIRE
34816	FENCING AND FENCE GATES, NOT PRODUCED BY WIREDRAWERS
33156	FENCING, CHAIN LINK MADE IN WIREDRAWING PLANT
34816	FENCING, CHAIN LINK, NOT PRODUCED BY WIREDRAWERS
37313	FERRIES, SELF PROPELLED, NEW NONMILITARY
35992	FERRIS WHEELS
32640	FERRITE ELECTRICAL PRODUCTS, EXCEPT FOR ELECTRONIC APPLICATIONS
33121	FERROALLOYS, MADE IN BLAST FURNACES
33134	FERROALLOYS, PRODUCED IN ELECTRIC AND OTHER FURNACES, EXCEPT BLAST FURNACES
33132	FERROCHROME NOT MADE IN BLAST FURNACE
33121	FERROMANGANESE, BLAST FURNACE PRODUCT
33131	FERROMANGANESE NOT MADE IN BLAST FURNACE
33133	FERROSILICON, NOT MADE IN BLAST FURNACE
28712	FERTILIZER COMPLETE AND INCOMPLETE PRODUCED IN SAME ESTABLISHMENT
28712	FERTILIZER MATERIALS OF ORGANIC ORIGIN PRODUCED IN SAME ESTABLISHMENT
28711	FERTILIZER OF SUPERPHOSPHATE AND OTHER PHOSPHATIC MATERIALS
28712	FERTILIZER, ORGANIC, ACTIVATED SEWAGE SLUDGE, PRODUCED IN SAME ESTABLISHMENT
28712	FERTILIZER, PROCESSED TANKAGE, ORGANIC, PRODUCED IN SAME ESTABLISHMENT
28712	FERTILIZERS, MIXED, PRODUCED FROM ONE OR MORE MATERIALS MADE IN THE SAME PLANT
28712	FERTILIZERS, MIXED, PRODUCED FROM ONE OR MORE MATERIALS PRODUCED IN THE SAME PLANT
28722	FERTILIZERS, MIXED ONLY, MADE BY PLANTS THAT DO NOT MANUFACTURE ANY INGREDIENTS
35223	FERTILIZING, SEEDING AND PLANTING MACHINERY
22991	FIBER FABRICS, BONDED (NONWOVEN TEXTILES)
22212	FIBER GLASS DRAPERY AND UPHOLSTERY FABRICS, 100% FILAMENT, GRAY GOODS
32293	FIBER GLASS, TEXTILE TYPE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
22218	FIBER OR SILK FINISHED, MANMADE, FLAMEPROOFED, MILDEWPROOFED, MERCERIZED AND EMBOSSED, MADE IN BROADWOVEN FABRIC MILL
22940	FIBER RECOVERED FROM MILL WASTE--COTTON, WOOL, MANMADE AND OTHER FIBERS
24996	FIBERBOARD, BUILDING, HARD PRESSED WOOD FIBER
26611	FIBERBOARD FORMBOARD, INSULATING
22940	FIBERS (TEXTILE) RECOVERED FROM CLIPS AND RAGS, WOOL (NEW AND USED) AND OTHER SPECIFIED KIND
35521	FIBER-TO-FABRIC TEXTILE MACHINERY
38311	FIELD GLASSES
20341	FIGS, DRIED AND DEHYDRATED
22211	FILAMENT FABRICS, 100% ACETATE AND/OR RAYON FABRICS, GRAY GOODS
34233	FILES AND ACCESSORIES
25223	FILES, METAL OFFICE, INCLUDING MECHANICAL AND NONMECHANICAL
26451	FILING ACCESSORIES, PAPER AND CARDBOARD (CARDS, FOLDERS, ETC.) DIE CUT
25223	FILING CABINETS AND CASES, VERTICAL, MECHANICAL AND NONMECHANICAL
25210	FILING CABINETS, WOOD OFFICE FURNITURE
26491	FILLER, LOOSELEAF PAPER
26451	FILLERS AND FLATS FOR EGG CASES, DIE-CUT, EXCEPT PULP
26462	FILLERS AND FLATS FOR EGG CASES, MOLDED PULP
28518	FILLERS FOR WOOD
20362	FILLET, FISH AND OTHER SEAFOOD, FRESH PACKAGED
26612	FILLS, FLEXIBLE WOOD FIBER, FOR CONSTRUCTION
38615	FILM, SHEET AND PACK, CAMERA
38615	FILM, STILL AND MOTION PICTURE, INCLUDING COLOR
26415	FILMS, LAMINATED AND COATED, EXCEPT WAXED, EXCLUDING POLYETHYLENE AND FOIL
22690	FILM, PLASTICS, PRINTED (FILM PURCHASED ELSEWHERE)
30791	FILM, PLASTICS UNSUPPORTED FROM PURCHASED RESINS
28211	FILM PLASTICS UNSUPPORTED PRODUCED FROM RESINS MADE IN THIS PLANT
35690	FILTER AND STRAINERS, INDUSTRIAL MACHINERY
22111	FILTER CLOTH MADE OF COTTON FABRIC (GRAY GOODS)
26219	FILTER PAPER
27822	FILLERS AND FORMS FOR LOOSE-LEAF BINDERS (PEN RULED OR PRINTED ONLY)
28231	FILTERS, CIGARETTE, OF CELLULOSIC MANMADE FIBERS
27524	FINANCIAL AND LEGAL PRINTING BY LITHOGRAPHIC
27514	FINANCIAL PRINTING BY LETTERPRESS
23961	FINDINGS, APPAREL, MEN'S AND BOYS'
23963	FINDINGS AND TRIMMINGS, APPAREL, WOMEN'S AND CHILDREN'S
31310	FINDINGS, BOOT AND SHOE
23961	FINDINGS, COAT, SUIT AND TROUSERS (MEN'S AND BOYS')
26216	FINE PAPER, INCLUDING THIN PAPER
22617	FINISHING OF BROADWOVEN COTTON FABRIC FROM PURCHASED MATERIAL
22313	FINISHED BROADWOVEN WOOL APPAREL FABRICS
22314	FINISHED BROADWOVEN WOOL, NONAPPAREL FABRICS AND FELTS
31112	FINISHED CALF AND WHOLE KIP LEATHERS
31111	FINISHED CATTLE HIDE AND KIP SIDE LEATHERS
22562	FINISHED CIRCULAR KNIT FABRICS FINISHED IN A KNIT FABRIC MILL
22117	FINISHING OF COTTON FABRICS, MADE IN BROADWOVEN FABRIC MILLS
22511	FINISHED, FULL-FASHIONED STOCKINGS, NYLON AND OTHER MIXTURES FOR WOMEN AND MISSES
22523	FINISHED HOSIERY FOR INFANTS, ALL TYPES
22628	FINISHED MANMADE FIBER AND SILK BROADWOVEN FROM PURCHASED FABRICS
22218	FINISHED MANMADE FIBER AND SILK GOODS, MADE IN BROADWOVEN FABRIC MILLS
22690	FINISHED NARROW FABRICS, EXCEPT KNIT AND WOOL (PURCHASED FABRIC)
22523	FINISHED SEAMLESS HOSIERY FOR BOYS, SLACKS AND KNEE-LENGTH SOCKS, ATHLETIC AND CREW SOCKS, MADE OF COTTON AND OTHER YARNS AND MIXTURES
22522	FINISHED SEAMLESS HOSIERY FOR MEN, HALF-HOSE, SLACK-HOSE, ATHLETIC AND CREW SOCKS, MADE OF NYLON, COTTON, WOOL, OTHER YARNS AND MIXTURES
22523	FINISHED SEAMLESS HOSIERY FOR MISSES AND CHILDREN, INCLUDING ANKLETS, ATHLETIC, CREW AND KNEE-LENGTH SOCKS

Code	Product
22513	FINISHED SEAMLESS STOCKINGS FOR WOMEN AND MISSES, ALL NYLON AND NYLON LEGS, FULL- OR KNEE-LENGTH, STRETCH AND NONSTRETCH
31113	FINISHED SHEEP AND LAMB LEATHER
22218	FINISHED SILK GOODS, MADE IN BROADWOVEN FABRIC MILLS
28430	FINISHES, TEXTILES AND LEATHER
22561	FINISHED WARP KNIT FABRICS, A KNIT FABRIC MILL PRODUCT
22831	FINISHED WOOL YARN, EXCEPT CARPET, INCLUDING NEW, REUSED, AND REPROCESSED WOOL, A YARN MILL PRODUCT
22311	FINISHED WOOL YARN, TOPS OR RAW STOCKS, NOT COMBED OR SPUN AT SAME ESTABLISHMENT, MADE IN BROADWOVEN FABRIC MILLS
22812	FINISHED YARNS, COMBED COTTON (FINISHED IN YARN SPINNING MILLS)
22813	FINISHED YARNS, SPUN, RAYON AND/OR ACETATE, (FINISHED IN YARN SPINNING MILLS)
22690	FINISHED YARN (YARN PURCHASED ELSEWHERE), EXCEPT WOOL
28516	FINISHES AND COATINGS RESISTANT TO CHEMICALS, FUMES, FUNGI, EXTREME TEMPERATURES, INTERIOR AND EXTERIOR
28516	FINISHES, FOR INDUSTRIAL PRODUCTS, EXCEPT LACQUERS
28516	FINISHES FOR METAL DECORATING, INDUSTRIAL
28516	FINISHES FOR WOOD AND METAL FURNITURE AND FIXTURES, INDUSTRIAL
22619	FINISHING OF COTTON BROADWOVEN FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
22629	FINISHING OF MANMADE FIBER AND SILK BROADWOVEN FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
22315	FINISHING OR SPONGING OF WOOL FABRICS, (COMMISSION RECEIPTS)
19512	FIREARMS, SMALL, 30 MM.(OR 1.18 INCHES) AND UNDER
37313	FIREBOATS, SELF-PROPELLED NONMILITARY
32550	FIRE CLAY BRICKS AND SHAPES, REFRACTORIES
32950	FIRE CLAY, GROUND, CRUDE, INCLUDING HIGH ALUMINA CLAY AND SILICA FIRE CLAY
19410	FIRE CONTROL AND SIGHTING EQUIPMENT MADE FROM PURCHASED LENSES
36625	FIRE CONTROL EQUIPMENT, EXCEPT OPTICAL SYSTEMS
38312	FIRE CONTROL EQUIPMENT MILITARY, MADE IN OPTICAL PLANTS
37113	FIRE DEPARTMENT VEHICLES, CHASSIS OF OWN MANUFACTURE
37130	FIRE DEPARTMENT VEHICLES, COMPLETE, PRODUCED ON PURCHASED CHASSIS
38216	FIRE DETECTING DEVICES
39991	FIRE EXTINGUISHING EQUIPMENT AND PARTS, CHEMICAL AND OTHERS
34460	FIRE ESCAPES, METAL
34943	FIRE HYDRANTS, IRON
34295	FIREPLACE FIXTURE AND EQUIPMENT, INCLUDING DAMPERS, IRONS, AND FIRE SCREENS
34336	FIREPLACE HEATERS, (CIRCULATING)
28993	FIREWORKS AND PYROTECHNICS
24450	FIRKINS, WOODEN, SLACK AND TIGHT COOPERAGE
38423	FIRST AID KITS, SNAKE BIT AND BURN KITS
20943	FISH, ANIMAL AND OTHER MARINE OIL
20310	FISH CAKES, CANNED, EXCEPT FROZEN
20310	FISH, CURED
20362	FISH, FRESH, PACKAGED
20361	FISH, FROZEN (PACKAGED)
39491	FISH HOOKS, POLES, FLOATS, AND SINKERS
20310	FISH LOAVES, CANNED, EXCEPT FROZEN
20310	FISH, PICKLED (INCLUDING SUN DRIED)
20310	FISH PRODUCTS, CANNED, EXCEPT FROZEN
20943	FISH SCRAP, CAKE AND MEAL, (ANIMAL AND MARINE OIL MILL PRODUCTS
20310	FISH, SMOKED, SALTED, OR PICKLED (INCLUDING SUN DRIED)
20362	FISH STEAKS, FRESH PACKAGED
39491	FISHING BAIT, ARTIFICIAL
37313	FISHING BOATS, SELF-PROPELLED, NEW NONMILITARY
39491	FISHING RODS AND REELS
39491	FISHING TACKLE AND EQUIPMENT
22983	FISHLINE AND FISHING NETTING, COTTON FIBER
22982	FISHLINE, SOFT FIBER, FROM MANMADE AND OTHER FIBERS, EXCEPT COTTON
23928	FITTED SHEETS MADE FROM PURCHASED FABRIC
22118	FITTED SHEETS, MADE IN BROADWOVEN FABRIC MILLS
24994	FITTING COVERS, CORK
34946	FITTINGS AND ASSEMBLIES FOR TUBING USED IN FLUID AND POWER TRANSFER SYSTEMS (EXCEPT PLUMBERS' BRASS GOODS)
33212	FITTINGS AND CAST IRON PRESSURE PIPE
26461	FITTINGS AND CONDUITS, PRESSED AND MOLDED GOODS
34980	FITTINGS AND PIPE, FABRICATED, MADE FROM PURCHASED PIPE
30796	FITTINGS AND UNIONS, PLASTICS, CONSTRUCTION
34320	FITTINGS FOR BATH, SHOWER, LAVATORY, SINK, BRASS GOODS
34945	FITTINGS, METAL, FOR PIPING SYSTEMS
32812	FLAGGING, CUT LIMESTONES
23990	FLAGS, FROM TEXTILE PURCHASED FABRIC
32813	FLAGSTONE
19990	FLAME THROWERS AND PARTS
34945	FLANGES, FITTINGS AND UNIONS, METAL, FOR PIPING SYSTEMS
38312	FLANK SPOTTING INSTRUMENTS (FIRE CONTROL EQUIPMENT) PRODUCED AT SAME PLANT
19410	FLANK SPOTTING INSTRUMENTS (FIRE CONTROL EQUIPMENT) NOT MADE IN OPTICAL PLANTS
22114	FLANNELS, COTTON, CANTON, INTERLINING, OUTING, WORKSHIRTS (GRAY GOODS)
38611	FLASH UNITS FOR CAMERAS
36410	FLASHLIGHT BULBS
36426	FLASHLIGHTS
32114	FLAT GLASS, TEMPERED, BENT, ENAMELED AND MULTIPLE-SEALED INSULATING UNITS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
34930	FLAT SPRINGS MADE OF SHEET AND STRIP (STEEL)
28513	FLAT WALL PAINTS, INTERIOR OIL-TYPE TRADE SALE
24994	FLATS, CORK
39142	FLATWARE, INCLUDING ALL KNIVES, FORKS, SPOONS, MADE WHOLLY OF METAL
28183	FLAVOR MATERIALS, SYNTHETIC ORGANIC CHEMICALS, EXCEPT BULK SURFACE ACTIVE AGENTS
28185	FLAVOR OIL MIXTURES AND BLENDS, ORGANIC
20871	FLAVORING EXTRACTS, EMULSIONS, AND OTHER LIQUID FLAVORS, NATURAL OR IMITATION
20873	FLAVORING SIRUPS, FOR USE BY SOFT DRINK BOTTLERS
26112	FLAX PULP
22992	FLAX THREAD, EXCEPT JACQUARD
20933	FLAXSEED CAKE AND MEAL
22562	FLEECES FABRIC, CIRCULAR KNIT AND FINISHED IN KNITTING MILLS
36996	FLEXIBLE CORD SETS FOR APPLIANCE, FROM PURCHASED MATERIALS
33576	FLEXIBLE CORD SETS FOR APPLIANCE PRODUCED IN ESTABLISHMENTS WHICH INSULATE WIRE
36442	FLEXIBLE STEEL CONDUIT
28930	FLEXOGRAPHIC INKS
35551	FLEXOGRAPHIC, SHEET-FED AND WEB-FED PRINTING PRESSES
39491	FLIES, FISHING, ARTIFICIAL BAIT
23292	FLIGHT CLOTHING (FLYING SUITS) MEN'S MADE FROM WOVEN OR PURCHASED KNIT FABRIC
38111	FLIGHT INSTRUMENTS
32112	FLOAT GLASS AND PLATE GLASS
24994	FLOATS, CORK
22940	FLOCK, ALL FIBERS, NEW STOCK, WASTE OR RECLAIMED
36425	FLOODLIGHTING AND AREA LIGHTING EQUIPMENT, ELECTRIC (EXCEPT PARTS, ACCESSORIES, AND BULBS)
22710	FLOOR COVERING, WOVEN, AIRCRAFT AND AUTOMOBILE, CHIEFLY COTTON OR MANMADE FIBER PILE YARNS
22720	FLOOR COVERING, AIRCRAFT AND AUTOMOBILE, TUFTED CARPETS AND RUGS
39962	FLOOR COVERING, ASPHALT-FELT-BASE AND SUPPORTED PLASTIC
22710	FLOOR COVERING, WOVEN, AUTOMOBILE AND AIRCRAFT, WOOL OR CHIEFLY WOOL PILE YARNS
24994	FLOOR COVERING, CORK
39961	FLOOR COVERING, LINOLEUM
30694	FLOOR COVERING, RUBBER
28516	FLOOR FINISHES, URETHANE AND OTHER INDUSTRIAL EPOXIES
28424	FLOOR POLISH, WATER EMULSION, LIQUIDS, CAKE AND PASTE
34292	FLOOR PROTECTIVE DEVICES, HARDWARE
35892	FLOOR SANDING AND SCRUBBING MACHINES
32925	FLOOR TILE, ASPHALT
30796	FLOOR TILE, PLASTICS, FOR CONSTRUCTION
32926	FLOOR TILE, VINYL ASBESTOS
36393	FLOOR WAXING AND POLISHING MACHINES, HOUSEHOLD
35892	FLOOR WAXING MACHINES, COMMERCIAL AND INDUSTRIAL
34441	FLOORING, FABRICATED METAL
24261	FLOORING, HARDWOOD
34460	FLOORING, OPEN METAL
24218	FLOORING, SOFTWOOD
30694	FLOORING TILE, SHEETS, RUBBER
35853	FLORISTS CABINETS, REFRIGERATING
28181	FLOTATION REAGENTS, CYCLIC
20455	FLOUR AND DRY FLOUR MIXES, PREPARED, (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20411	FLOUR AND DRY FLOUR MIXES, SELF-RISING AND OTHER PREPARED (MADE IN FLOUR MILLS)
35513	FLOUR AND GRAIN MILL MACHINERY, INCLUDING PARTS AND ATTACHMENTS
20416	FLOUR, GRAIN, EXCEPT WHEAT OR RICE, BLENDED OR PREPARED
20416	FLOUR, RYE
20411	FLOUR, SELF-RISING, DRY FLOUR MIXES, MADE IN FLOUR MILLS
20922	FLOUR, SOY
20411	FLOUR, WHEAT, EXCEPT FLOUR MIXES (WHITE)
20411	FLOUR, WHOLE WHEAT
24995	FLOUR, WOOD
30798	FLOWER POTS, BOXES, PLANTERS, MADE OF PLASTIC
32690	FLOWER POTS, POTTERY
39620	FLOWERS, ARTIFICIAL
35333	FLOWING WELL EQUIPMENT, FOR OILFIELDS AND GASFIELDS
32592	FLUE LINING, CLAY
38213	FLUID FLOW INSTRUMENTS, INDUSTRIAL PROCESS
35511	FLUID MILK BOTTLING, FILLING AND CAPPING MACHINES (GLASS OR PAPER CONTAINERS) FOR DAIRY
34442	FLUMES, METAL
36121	FLUORESCENT LAMP BALLASTS, ALL TYPES
36410	FLUORESCENT LAMPS, COLD CATHOLDE (BULB ONLY) FOR ILLUMINATION AND DECORATION
36426	FLUORESCENT LIGHTING EQUIPMENT, COMPLETE UNITS
36422	FLUORESCENT LIGHTING FIXTURES, COMMERCIAL (EXCEPT PARTS, ACCESSORIES, AND BULBS)
36423	FLUORESCENT LIGHTING FIXTURES, INDUSTRIAL (EXCEPT PARTS, ACCESSORIES, AND BULBS)
36430	FLUORESCENT STARTERS
28196	FLUORIDE, ALUMINUM COMPOUND
28213	FLUOROCARBON RESINS, THERMOPLASTIC
36930	FLUOROSCOPES
36930	FLUOROSCOPIC X-RAY APPARATUS AND TUBES
34310	FLUSH TANKS AND WATER CLOSETS, ENAMELED IRON AND STEEL
32610	FLUSH TANKS, VITREOUS CHINA
34320	FLUSH VALVES
28993	FLUXES, BRAYING, SOLDERING, AND WELDING CHEMICALS
28421	FLY SPRAYS
30693	FOAM RUBBER GOODS
23920	FOAM RUBBER PILLOWS AND CUSHIONS, FROM PURCHASED MATERIAL
30792	FOAMED PLASTICS MATTRESS CORES
30792	FOAMED PLASTICS PRODUCTS
34970	FOIL, ALUMINUM CONVERTED, FOR HOUSEHOLD, INSTITUTIONAL, FREEZERS, CONTAINERS, AND GIFT WRAPPING
33523	FOIL, ALUMINUM FOIL PLAIN, MADE IN A ROLLING MILL
34970	FOIL AND LEAF, METAL, EXCEPT PLAIN ALUMINUM FOIL
34990	FOIL CONTAINERS FOR BAKERY GOODS AND FROZEN FOODS
34970	FOIL, LAMINATED OR COATED IN ROLLS AND SHEETS, PLAIN OR PRINTED
34970	FOIL, NOVELTIES
26451	FOLDERS, FILE PAPER, DIE-CUT
25144	FOLDING COTS, METAL, ROLLABLE COTS, ARMY COTS AND OTHER METAL BEDS
25117	FOLDING COTS, WOOD
26510	FOLDING PAPERBOARD BOXES AND CARTONS
25311	FOLDING TABLES AND CHAIRS, SCHOOLS
25312	FOLDING TABLES, INCLUDING BANQUET TABLES (PUBLIC BUILDING)
27516	FOOD AND BEVERAGE CHECKS, LETTERPRESS PRINTED
35811	FOOD COIN-OPERATED VENDING MACHINES
20874	FOOD COLORINGS
26542	FOOD CONTAINERS, CUPS AND LIQUID-TIGHT
36322	FOOD FREEZERS, COMPLETE UNITS (FOR FREEZING AND/OR STORING FROZEN FOOD)
28331	FOOD PRESERVATION, ANTIBIOTICS, SYNTHETIC BULK
26462	FOOD TRAYS, PRESSED MOLDED PULP GOODS
35891	FOOD WARMING AND COOKING EQUIPMENT, COMMERCIAL, INCLUDING PARTS AND ACCESSORIES
35891	FOOD WARMING EQUIPMENT (COMMERCIAL OR HOSPITAL) PARTS AND ACCESSORIES
36393	FOOD WASTE DISPOSERS, HOUSEHOLD
20999	FOODS, PREPARED, PERISHABLE, SOLD IN BULK OR PACKAGED (NOT FROZEN) SALADS, SANDWICHES MADE FROM BREAD
28445	FOOT POWDER
39493	FOOTBALLS AND EQUIPMENT

Code	Product
20943	FOOTS, ALL TYPES (ANIMAL, FISH AND VEGETABLE AND ACIDULATED SOAP STOCK)
22562	FOOTWEAR LINING, CIRCULAR KNIT, MADE IN KNITTING MILLS
30798	FOOTWEAR, PLASTICS
30210	FOOTWEAR, RUBBER
38430	FORCEPS, DENTAL
33911	FORGING, CLOSED DIE, STEEL, DROP, UPSET PRESS
35423	FORGING MACHINES, EXCEPT PRESSES FOR METAL FORMING
33920	FORGINGS, COPPER, ALUMINUM, MAGNESIUM, TITANIUM, AND OTHER NONFERROUS FORGINGS, INCLUDING NONFERROUS ALLOYS
33129	FORGINGS, STEEL, OPEN PRESS AND DIE HAMMERS, FROM STEEL MILL
33919	FORGINGS, STEEL, OPEN PRESS DIE OR HAMMER, FROM PURCHASED MATERIALS
26543	FORKS AND SPOONS, PAPER, STAMPED
26462	FORKS AND SPOONS, PRESSED AND MOLDED PULP GOODS
39142	FORKS, METAL
34233	FORKS, STEEL, HANDTOOL
24995	FORKS, WOODEN FLAT VENEER
35720	FORM HANDLING MACHINES, CONTINUOUS, INCLUDING ATTACHMENTS AND PARTS
28182	FORMALDEHYDE
28182	FORMIC ACID ACYCLIC
35421	FORMING AND BENDING MACHINES, METALWORKING USE
27611	FORMS, BUSINESS, CONTINUOUS
24995	FORMS, SHOE, WOOD
27612	FORMS, UNIT SET, FOR BUSINESS
35592	FOUNDRY MACHINERY AND EQUIPMENT, EXCEPT PATTERNS AND MOLDS
35442	FOUNDRY MOLDS, EXCEPT INGOT MOLDS
35650	FOUNDRY PATTERNS
35857	FOUNTAINETTES, REFRIGERATED
35853	FOUNTAINS, DRINKING, MECHANICALLY REFRIGERATED
36211	FRACTIONAL HORSEPOWER MOTORS (EXCEPT PARTS AND SUPPLIES)
24991	FRAMMED PICTURES
38511	FRAMES AND PARTS FOR EYEGLASSES AND SPECTACLES
25144	FRAMES, BED, METAL, HOUSEHOLD FURNITURE
25126	FRAMES, FURNITURE, WOOD
34990	FRAMES, METAL FOR SINKS AND LAUNDRY TUBS, FURNITURE (TUBULAR METAL)
24313	FRAMES, WINDOW AND DOOR, WOODEN, MILLWORK PRODUCTS
24991	FRAMES, WOOD OR METAL FOR MIRRORS AND PICTURES
24212	FRAMING LUMBER, DRESSED, MADE IN A SAWMILL AND PLANING MILL
24331	FRAMING, WOOD, STRUCTURAL, FABRICATED
24313	FRAMES, WOOD, WINDOW AND DOOR, EXCEPT WINDOW FRAMES SHIPPED IN WINDOW UNITS
20117	FRANKFURTERS, NOT CANNED, MADE IN MEATPACKING PLANT
20137	FRANKFURTERS, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20341	FREEZE DRIED PRODUCTS, EXCEPT SOUP
26412	FREEZER FOOD CARTON OVERWRAPS, WAXED, INCLUDING FREEZER LOCKER PAPER
36322	FREEZERS, HOUSE AND FARM
34990	FREEZERS, ICE CREAM, HOUSEHOLD METAL
35511	FREEZERS, ICE CREAM, INDUSTRIAL
35340	FREIGHT ELEVATORS, HAND OPERATED, ELECTRIC AND HYDRAULIC
37422	FREIGHT TRAIN CARS, NEW
24315	FRENCH DOORS, WOOD
20354	FRENCH DRESSING
36112	FREQUENCY MEASURING EQUIPMENT
20110	FRESH MEATS, SUCH AS HORSEMEAT, GOAT MEAT, ETC. (OTHER THAN BEEF, VEAL, PORK, LAMB OR MUTTON, POULTRY, RABBITS, AND OTHER SMALL GAME)
20362	FRESH PACKAGED FISH AND OTHER SEAFOOD
32922	FRICTION MATERIALS OF ASBESTOS
35318	FRONT-END LOADERS FOR MOUNTING ON TRACTORS, CONSTRUCTION MACHINERY
35317	FRONT-END LOADER, WHEEL-TYPE (INTEGRAL DESIGN, REAR ENGINE MOUNT)
28993	FROSTING COMPOUNDS, GLASS
20999	FROSTING MIXES
20371	FROZEN CONCENTRATED FRUIT AND BERRY JUICES
35853	FROZEN-CUSTARD FREEZERS
20240	FROZEN DAIRY DESSERTS
20373	FROZEN DINNERS
20156	FROZEN EGGS
26412	FROZEN FOOD CARTON OVERWRAPS, WAXED AND WAXED-LAMINATED PAPER
35853	FROZEN FOOD DISPLAY CASES
20373	FROZEN NATIONALITY FOODS, CHINESE, MEXICAN, ITALIAN, ETC.
20361	FROZEN PACKAGED FISH AND OTHER SEAFOOD
20373	FROZEN PIES, INCLUDING FRUIT, CUSTARD, MEAT AND POULTRY
20373	FROZEN PREPARED FOODS AND SOUPS (OTHER THAN SEAFOOD)
20371	FROZEN OR CHILLED FRUITS, FRUIT JUICES AND ADES
20372	FROZEN VEGETABLES
20371	FRUIT AND BERRY JUICES, AND ADES, FROZEN, CONCENTRATED
20338	FRUIT BUTTER
20716	FRUIT, CANDIED, CRYSTALLIZED, GLAZE, ETC.
20331	FRUIT, CANNED, EXCEPT FROZEN
20331	FRUIT COCKTAIL, CANNED, EXCEPT FROZEN
20874	FRUIT, CRUSHED OR WHOLE FOR FOUNTAIN AND ICE CREAM USE
20341	FRUIT, DRIED AND DEHYDRATED
20860	FRUIT DRINKS AND ADES, BEVERAGE, NOT FROZEN, BOTTLED AND CANNED
20860	FRUIT EXTRACT SOFT DRINKS, BOTTLED AND CANNED, DIETETIC OR NONDIETETIC
20371	FRUIT, FROZEN
20331	FRUIT FOR SALADS, CANNED
32210	FRUIT JARS, GLASS
20874	FRUIT JUICE PRODUCTS, CONCENTRATED (NOT FROZEN)
20371	FRUIT JUICES AND ADES, FROZEN
20334	FRUIT JUICES, FRESH, TO BE KEPT UNDER REFRIGERATION
20334	FRUIT JUICES, INCLUDING CONCENTRATED, CANNED, EXCEPT FROZEN
20331	FRUIT PIE MIXES, CANNED
20514	FRUIT PIES, NOT FROZEN
20338	FRUIT PRESERVES, PURE
20371	FRUIT PUNCH, FROZEN
26210	FRUIT WRAP, TISSUE STOCK
20321	FRUITS, CANNED (BABY FOOD ONLY)
35891	FRYERS, DEEP FAT, COMMERCIAL, INCLUDING PARTS AND ATTACHMENTS
36343	FRYERS, DEEP FAT, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
36343	FRYING PANS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
29990	FUEL BRIQUETTES FROM COAL OR PETROLEUM
30695	FUEL CELLS, RUBBER
23940	FUEL CONTAINERS, CANVAS, FROM PURCHASED FABRIC
38214	FUEL LEVEL INDICATION INSTRUMENTS, MOTOR VEHICLES
29114	FUEL OIL, DISTILLATE
29115	FUEL OIL, RESIDUAL
29990	FUEL, PACKAGED FROM COAL OR PETROLEUM
37141	FUEL PUMP ASSEMBLES, MOTOR VEHICLE
22216	FUJIS, COMBINATION FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22511	FULL FASHIONED, FINISHED STOCKINGS FOR WOMEN AND MISSES, FULL OR KNEE LENGTH, STRETCH AND NONSTRETCH
22514	FULL FASHIONED STOCKINGS FOR WOMEN AND MISSES, ALL FIBERS SHIPPED IN THE GREIGE
28421	FUMIGANTS
28790	FUMIGANTS, SOIL
28346	FUNGICIDES, EXTERNAL USE, PHARMACEUTICAL, FOR HUMAN USE
28790	FUNGICIDAL PREPARATIONS FOR AGRICULTURE
23710	FUR APPAREL, COATS, CAPES, JACKETS, NECKPIECES, LININGS, ETC., INCLUDING TRIMMINGS
23710	FUR COLLARS, STOLES AND MUFFS
23961	FUR GLOVE LININGS, APPAREL FINDINGS MADE FOR SALE AS SUCH
31510	FUR GLOVES, MEN'S, WOMEN'S, AND CHILDREN'S
23961	FUR, HATTERS', CUT OR BLOWN FOR SALE AS SUCH
23710	FUR PLATES
23371	FUR-TRIMMED FABRIC COATS, INCLUDING CAPES
28214	FURAN RESIN
28181	FURFURAL
34331	FURNACE-BURNER UNITS OIL, SOLD SEPARATELY
35671	FURNACES AND OVENS, ELECTRICAL, INDUSTRIAL, METAL PROCESSING (EXCEPT PARTS, ATTACHMENTS, AND COMPONENTS)
35672	FURNACES AND OVENS, FUEL FIRED, INDUSTRIAL METAL PROCESSING (EXCEPT PARTS AND ATTACHMENTS)
35673	FURNACES AND OVENS, INDUSTRIAL PROCESS, PARTS AND ATTACHMENTS ONLY
35595	FURNACES AND OVENS, NONMETALLIC, INDUSTRIAL
34336	FURNACES, FLOOR AND WALL, GAS- AND OIL-FIRED
35672	FURNACES, HEAT TREATING, INDUSTRIAL, FUEL-FIRED (EXCEPT PARTS AND ATTACHMENTS)
35673	FURNACES, HIGH FREQUENCY INDUCTION, INDUSTRIAL
38112	FURNACES, LABORATORY (EXCEPT DENTAL)
35672	FURNACES, METAL, MELTING AND PROCESSING, INDUSTRIAL, FUEL-FIRED (EXCEPT PARTS AND ATTACHMENTS)
34332	FURNACES, WARM AIR, EXCEPT FLOOR AND WALL, PARTS
39999	FURNITURE, BEAUTY AND BARBER SHOP
25115	FURNITURE, BEDROOM, WOOD, PAINTED AND FINISHED, EXCEPT CHILDREN'S AND UPHOLSTERED
25312	FURNITURE, CHURCH
24217	FURNITURE, CUT STOCK, SOFTWOOD
24262	FURNITURE, DIMENSION STOCK, HARDWOOD
24262	FURNITURE, DIMENSION STOCK, KILN DRIED, ROUGH OR SURFACED, FABRICATED OR SEMIFABRICATED AND PARTS
25117	FURNITURE, EXCEPT UPHOLSTERED, WOOD FOR OUTDOORS
25126	FURNITURE FRAMES FOR HOUSEHOLD FURNITURE
34292	FURNITURE HARDWARE
38410	FURNITURE, HOSPITAL, INCLUDING BASSINETS, CHART RACKS, AND BACK RESTS
25117	FURNITURE-IN-THE-WHITE WOOD, (UNPAINTED)
38113	FURNITURE, LABORATORY (CABINETS, TABLES, STOOLS, ETC.)
25141	FURNITURE, METAL, DINING, DINETTE, BREAKFAST
25142	FURNITURE, METAL, KITCHEN, EXCEPT DINING, DINETTE AND BREAKFAST FURNITURE
25143	FURNITURE, METAL PORCH, LAWN, AND OUTDOOR
38410	FURNITURE, OPERATING ROOM, HOSPITAL, INCLUDING TABLE, CASES, CABINETS
25190	FURNITURE, PLASTIC, HOUSEHOLD
28424	FURNITURE POLISH AND CLEANER
24262	FURNITURE PARTS, EXCEPT FRAMES (COMPLETELY FABRICATED), HARDWOOD
25312	FURNITURE, PUBLIC BUILDING AND RELATED FURNITURE
25190	FURNITURE, REED OR RATTAN, INCLUDING WILLOW, WICKER AND CANE
25990	FURNITURE, RESTAURANT, WOOD OR METAL
25311	FURNITURE, SCHOOL, EXCEPT STONE AND CONCRETE (EXCEPT LIBRARY FURNITURE, STADIUM AND BLEACHER SEATS)
23962	FURNITURE TRIMMINGS
25117	FURNITURE, UNPAINTED WOOD, EXCEPT UPHOLSTERED
25144	FURNITURE, UPHOLSTERED METAL, HOUSEHOLD
25144	FURNITURE, UPHOLSTERED METAL, LIVING ROOM AND SUNROOM
25121	FURNITURE, UPHOLSTERED WOOD, HOUSEHOLD
25210	FURNITURE, WOOD, OFFICE
25112	FURNITURE, WOOD, PAINTED OR FINISHED, FOR LIVING ROOM, LIBRARY, SUNROOM AND HALL (EXCEPT CABINETS FOR RADIO, PHONOGRAPH, TV, AND HI-FI, OR COMBINATION, THEREOF) EXCEPT UPHOLSTERED
25116	FURNITURE, WOOD, PAINTED OR FINISHED, INFANTS' AND CHILDREN'S, EXCEPT UPHOLSTERED
23521	FUR-FELT HATS, FINISHED, EXCEPT MILLINERY
39996	FURS, DRESSED AND DYED
19410	FUSE SETTERS (FIRE CONTROL EQUIPMENT) NOT MADE IN OPTICAL PLANTS
36134	FUSES AND FUSE EQUIPMENT (EXCEPT POWER DISTRIBUTION CUTOUTS) UNDER 2,300 VOLTS
28921	FUSES, DETONATING, INDUSTRIAL SQUIBS, IGNITORS, BOOSTERS, ETC.
19291	FUSES FOR ARTILLERY AMMUNITION OVER 30 MM (OR OVER 1.18 INCHES)
19291	FUSES FOR ARTILLERY AMMUNITION OVER 30 MM. (OR OVER 1.18 INCHES)
19293	FUSES, MINE, TORPEDO, BOMB, DEPTH CHARGE, AND CHEMICAL WARFARE PROJECTILE
36134	FUSES, NONRENEWABLE CARTRIDGE, UNDER 2,300 VOLTS
36625	FUSES, PROXIMITY
36134	FUSES, RENEWABLE PLUG AND CARTRIDGE, UNDER 2,300 VOLTS
36624	G.C.A. EQUIPMENT
22112	GABARDINES, CARDED (COTTON) (GRAY GOODS)
22115	GABARDINES, COMBED, FINE COTTON (GRAY GOODS)
22213	GABARDINES, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
35452	GAGES AND GAGE BLOCKS, MACHINISTS PRECISION TOOLS
35441	GAGES (SPECIAL DIES AND TOOLS) OR DUCKING FIXTURES
30210	GAITERS, WATERPROOF, BUCKLE AND AUTOMATIC, STYLE, RUBBER AND CLOTH
34790	GALVANIZING OF METAL
20155	GAME, SMALL, DRESSED AND PACKED
39410	GAMES AND TOYS, EXCEPT DOLLS AND CHILDREN'S VEHICLES
30798	GARDEN HOSE, PLASTICS
30692	GARDEN HOSE, RUBBER
30698	GARMENT FABRICS, RUBBER COATED
36730	GAS AND VAPOR TUBES, ELECTRONIC
38430	GAS APPARATUS, DENTAL
33121	GAS, BLAST FURNACE AND COKE OVEN BYPRODUCTS
35614	GAS COMPRESSORS, EXCEPT REFRIGERATING AND AIR-CONDITIONING UNITS
35616	GAS COMPRESSORS, PARTS AND ATTACHMENTS ONLY
34434	GAS CYLINDERS
35196	GAS ENGINES, EXCEPT GAS TURBINES

Code	Product
35690	GAS GENERATING EQUIPMENT
38423	GAS MASKS
38212	GAS METERS
28993	GAS ODORANTS
34334	GAS RADIANTS, DOMESTIC HEATING STOVE
36312	GAS RANGES AND SURFACE COOKING TOPS HOUSEHOLD
35111	GAS TURBINE GENERATOR SETS
35112	GAS TURBINES AND PARTS, EXCEPT AIRCRAFT
28181	GASOLINE ADDITIVES, CYCLIC
29111	GASOLINE, AVIATION AND MOTOR
38212	GASOLINE DISPENSING METERS
35860	GASOLINE DISPENSING PUMPS
35191	GASOLINE ENGINES, UNDER 11 HORSEPOWER EXCEPT AIRCRAFT, AUTO, TRUCK, BUS, AND TANK
35192	GASOLINE ENGINES, 11 HORSEPOWER AND OVER, EXCEPT AIRCRAFT, AUTOMOBILE, TRUCK, BUS, AND TANK
37141	GASOLINE ENGINES, NEW, WITH OR WITHOUT STANDARD ACCESSORIES
36426	GASOLINE LAMPS, INCLUDING KEROSENE
34421	GARAGE DOORS AND FRAMES, METAL
24315	GARAGE DOORS, WOOD
34492	GARAGES, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
24332	GARAGES, WOOD, PREFABRICATED, SOLD AS COMPLETE UNITS, INCLUDING THOSE SHIPPED IN SECTIONS OR PANELS
34618	GARBAGE CANS
20942	GARBAGE TANKAGE
32722	GARDEN FURNITURE, CONCRETE
35222	GARDEN TRACTORS AND MOTOR TILLERS
35228	GARDEN TRACTORS AND MOTOR TILLERS, INCLUDING ATTACHMENTS
26431	GARMENT BAGS, PAPER
31111	GARMENT AND GLOVE LEATHER, FINISHED CATTLE HIDE
23920	GARMENT BAGS, FABRIC FROM PURCHASED FABRICS
24995	GARMENT HANGERS, WOOD
23890	GARTERS AND GARTER BELTS
32932	GASKETS, ALL TYPES
34816	GATES OF STEEL WIRE FOR FENCES, NOT PRODUCED BY WIREDRAWERS
33156	GATES, POSTS AND FITTINGS, STEEL WIRE FENCE, MADE IN WIREDRAWING PLANT
38220	GAUGES FOR MEASURING TEMPERATURE
22113	GAUZE, SURGICAL DRESSING COTTON (GRAY GOODS)
38421	GAUZE (ABSORBENT AND PACKING) SURGICAL DRESSINGS
27413	GAZETTEERS, PUBLISHED
35413	GEAR-CUTTING AND FINISHING MACHINES, METAL-CUTTING TYPE
35451	GEAR HOBS, SMALL CUTTING TOOLS
35662	GEAR PINIONS AND RACKS, UNMOUNTED EXCEPT AUTO AND AIRCRAFT
35451	GEAR SHAPER CUTTERS, SMALL CUTTING TOOLS
35662	GEARS, ASSEMBLED AND UNASSEMBLED EXCEPT AUTO AND AIRCRAFT
30795	GEARS, BEARINGS, BUSHINGS AND CAMS PLASTICS, INDUSTRIAL
20155	GEESE, DRESSED AND PACKED
20310	GEFILTE FISH, CANNED, EXCEPT FROZEN
38216	GEIGER COUNTERS
20991	GELATIN BASE DESSERTS, READY-TO-MIX
28912	GELATIN, EDIBLE, PHARMACEUTICAL
28912	GELATIN, PHOTOGRAPHIC, TECHNICAL, INEDIBLE
27216	GENERAL PERIODICAL (I.E. - OTHER THAN FARM, SPECIALIZED BUSINESS, AND PROFESSIONAL) ADVERTISING RECEIPTS
35111	GENERATOR SET UNITS AND PARTS, STEAM, GAS AND HYDRAULIC TURBINE
36215	GENERATOR SETS, MOTOR, INCLUDING DYNAMOTORS, CONVERTERS, INVERTERS (EXCEPT PARTS AND SUPPLIES FOR SUCH ITEMS)
36214	GENERATOR SETS, PRIME MOVER EXCEPT STEAM OR HYDRAULIC TURBINE (EXCEPT PARTS AND SUPPLIES FOR SUCH ITEMS)
35111	GENERATOR SETS, WATER TURBINE, HYDRAULIC
36213	GENERATORS AND ELECTRICAL MOTORS FOR LAND TRANSPORTATION EQUIPMENT (INCLUDING PARTS AND SUPPLIES FOR SUCH ITEMS)
36216	GENERATORS AND MOTOR GENERATOR SETS (EXCEPT LAND TRANSPORTATION) - PARTS AND SUPPLIES ONLY
36231	GENERATORS, ARC WELDER D.C. EXCEPT ELECTRODES
36942	GENERATORS, BATTERY CHARGING, FOR INTERNAL COMBUSTION ENGINES
36212	GENERATORS, INTEGRAL HORSEPOWER OTHER THAN LAND TRANSPORTATION EQUIPMENT A.C. AND D.C. CURRENT (EXCEPT PARTS AND SUPPLIES FOR SUCH ITEMS)
36626	GEOPHYSICAL ELECTRONIC EQUIPMENT
22211	GEORGETTES, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
28346	GERMICIDES, EXTERNAL USE PHARMACEUTICAL, FOR HUMAN USE
23412	GERTRUDES, WOMEN'S AND CHILDREN'S UNDERWEAR MADE FROM WOVEN OR PURCHASED KNIT FABRICS
26492	GIFT WRAP, PAPER
20851	GIN, ALCOHOLIC BEVERAGE, DISTILLED
20860	GINGER ALE, DIETETIC OR NONDIETETIC, BOTTLED AND CANNED
22115	GINGHAMS, COMBED AND FINE CARDED, FINE COTTON (GRAY GOODS)
22114	GINGHAMS, (EXCEPT COMBED FINE CARDED) COTTON (GRAY GOODS)
22217	GIRDLE AND SWIMWEAR FABRICS MADE WITH AN ELASTIC CORE YARN (RUBBER OR SPANDEX) 100% SPUN YARN
22562	GIRDLE BLANKS, ELASTIC, CIRCULAR KNIT IN A KNIT FABRIC MILL
23422	GIRDLES AND GIRDLE ACCESSORIES
20716	GLACE (NUTS AND FRUITS)
32292	GLASS, BLANKS, ELECTRIC LIGHT BULBS, ELECTRONIC AND RADAR TUBE FROM GLASS PRODUCED IN THIS ESTABLISHMENT
32316	GLASS, BLANKS, ELECTRIC-LIGHT BULB, ELECTRONIC AND RADAR TUBES FROM PURCHASED GLASS
32316	GLASS BLOCKS, BRICKS, TILE MADE OF PURCHASED GLASS
32291	GLASS COOKING WARE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32210	GLASS CONTAINERS, ALL KINDS, SUCH AS FOOD, MEDICINAL, CHEMICAL, ETC., INCLUDING HANDMADE
32316	GLASS COOKING WARE FROM PURCHASED GLASS
32114	GLASS DOORS, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
22212	GLASS FABRICS, BROADWOVEN MANMADE FIBER FABRICS (GRAY GOODS)
22411	GLASS FABRICS, NARROW, WOVEN
22212	GLASS FIBER INDUSTRIAL FABRICS, 100% FILAMENT, GRAY GOODS
32293	GLASS FIBER, TEXTILE TYPE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32114	GLASS, FLAT, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT, EXCEPT SHEET GLASS FOR WINDOWS, PLATE LAMINATED, SAFETY
32292	GLASS INSULATORS, FROM GLASS PRODUCED IN THIS ESTABLISHMENT
32316	GLASS INSULATORS, FROM PURCHASED GLASS
32313	GLASS, LAMINATED, INCLUDING SAFETY GLASS, FROM PURCHASED GLASS
32113	GLASS, LAMINATED, INCLUDING SAFETY GLASS, MADE FROM GLASS PRODUCED IN SAME ESTABLISHMENT
32316	GLASS LIDS, FROM PURCHASED GLASS
35595	GLASSMAKING MACHINERY AND EQUIPMENT
32112	GLASS, PLATE, MADE FROM GLASS BLANKS PRODUCED IN SAME ESTABLISHMENT
32111	GLASS, SHEET, WINDOW
32291	GLASS PLATES, TABLE AND KITCHENWARE, MADE FROM GLASS PRODUCED IN SAME ESTABLISHMENT
28423	GLASS WINDOW CLEANING PREPARATIONS
32210	GLASSES (CONTAINERS)
38311	GLASSES, FIELD OR OPERA
26218	GLASSINE, PAPER, COARSE
32316	GLASSWARE, ETCHED, ORNAMENTED AND BENT FROM PURCHASED GLASS
32294	GLASSWARE FOR INDUSTRIAL USE, INCLUDING GAUGE GLASS, INSTRUMENT FACES, MACHINE PARTS AND GLASS KNOBS FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	GLASSWARE FOR INDUSTRIAL USE INCLUDING GAUGE GLASS, INSTRUMENT FACES, MACHINE PARTS AND GLASS KNOBS FROM PURCHASED GLASS
32294	GLASSWARE FOR LABORATORY AND SCIENTIFIC USE, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	GLASSWARE FOR LABORATORY AND SCIENTIFIC USE, FROM PURCHASED GLASS
32291	GLASSWARE, INCLUDING ART FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	GLASSWARE INCLUDING ART FROM PURCHASED GLASS
32291	GLASSWARE NOVELTY, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	GLASSWARE NOVELTY, MADE FROM PURCHASED GLASS
32294	GLASSWARE, PRESSED OR BLOWN, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	GLASSWARE, PRESSED OR BLOWN, FROM PURCHASED GLASS
32512	GLAZED BRICK AND TILE
32530	GLAZED FLOOR AND WALL TILE
25143	GLIDERS, METAL OUTDOORS
37211	GLIDERS, MILITARY
25117	GLIDERS, WOOD, OUTDOOR FURNITURE
27526	GLOBE COVER PRINTED BY LITHOGRAPHIC
27413	GLOBE COVER, PUBLISHING
27516	GLOBE COVERS PRINTED BY LETTERPRESS
22562	GLOVE FABRICS, CIRCULAR KNIT AND FINISHED, A KNIT FABRIC MILL PRODUCT
22561	GLOVE FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
23961	GLOVE LININGS, FUR, APPAREL FINDINGS MADE FOR SALE AS SUCH
22590	GLOVES AND MITTENS, DRESS, LEATHER AND FABRIC COMBINATION MADE FROM YARNS OR FABRICS KNIT IN SAME ESTABLISHMENT
23811	GLOVES, DRESS AND SEMI-DRESS, EXCEPT ALL LEATHER MADE FROM WOVEN OR PURCHASED KNIT FABRIC
30698	GLOVES, INDUSTRIAL RUBBER
31510	GLOVES, LEATHER, FOR DRESS, AND WORK
22590	GLOVES, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
30697	GLOVES, RUBBER HOUSEHOLD, AND SURGICAL
23812	GLOVES, WORK, EXCEPT ALL LEATHER, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
28331	GLUCONIC ACID SALTS, SYNTHETIC, BULK
20110	GLUE STOCK (SEMIMANUFACTURED MATERIAL TO BE MADE INTO GLUE)
28911	GLUES, ADHESIVES AND PASTES, VEGETABLE
28911	GLUES, ANIMAL
20460	GLUTEN FEED, MEAL OR CORN
28414	GLYCERINE, NATURAL
31114	GOAT AND KID LEATHER, FINISHED
38513	GOGGLES, OPHTHALMIC
38513	GOGGLES, SUN AND GLARE GLASSES
28199	GOLD COMPOUNDS, INORGANIC CHEMICALS
34970	GOLD LEAF FOIL, IN BOOKS OR ROLLS
33395	GOLD, PRIMARY SMELTING ALLOYED AND UNALLOYED
33415	GOLD, SECONDARY SMELTING AND REFINING ALLOY AND UNALLOY
39492	GOLF BAGS
39492	GOLF BALLS
37510	GOLF CARTS, MOTORIZED, ELECTRIC AND GASOLINE POWERED, FOR CARRYING PASSENGERS
24262	GOLF CLUB DIMENSION STOCK, OF HARDWOOD FOR INDUSTRY
30210	GOLOSHES, RUBBER OR RUBBER SOLED FABRIC
25410	GONDOLAS, WOOD FOR STORE DISPLAY
36992	GONGS, CHIMES AND BELLS, ELECTRIC
27412	GOVERNMENT REGULATIONS PUBLISHED FOR BUSINESS
37295	GOVERNORS, AIRCRAFT PROPELLERS
23890	GOWNS, ACADEMIC
23840	GOWNS, DRESSING, EXCEPT CHILDREN'S
35319	GRADERS, EXCEPT MOTOR GRADERS
20521	GRAHAM CRACKERS
20851	GRAIN ALCOHOL (BEVERAGE)
28185	GRAIN ALCOHOL, INDUSTRIAL
35513	GRAIN AND FLOUR MILL MACHINERY, INCLUDING PARTS AND ATTACHMENTS
24315	GRAIN DOORS, WOOD
20424	GRAIN, FOR ANIMAL FEED, GROUND, ROLLED, PULVERIZED, CHOPPED, OR CRIMPED
20430	GRAINS AND MIXED GRAIN, PREPARATIONS FOR BREAKFAST (INCLUDING BABY CEREALS)
20851	GRAINS, DRIED, DISTILLERS, DARK AND LIGHT
39311	GRAND PIANOS, COMPLETE
32811	GRANITE, CUT, BUILDING STONE
32811	GRANITE, CUT PRODUCTS
32811	GRANITE, PAVING BLOCKS AND CURBING
20630	GRANULATED BEET SUGAR, REFINED
20620	GRANULATED SUGAR, CANE
38615	GRAPHIC ARTS FILM
36240	GRAPHITE AND CARBON PRODUCTS INCLUDING BRUSH AND BRUSH-PLATES, ELECTRODES AND SPECIALTIES
32950	GRAPHITE GROUND, REFINED OR BLENDED
34232	GRASS HOOKS, EDGE TOOL, HAND OPERATED
34460	GRATING, OPEN, METAL, FOR BUILDING CONSTRUCTION
32722	GRAVE STONES, CONCRETE PRECAST
27518	GRAVURE PLATES AND CYLINDERS MADE FOR OTHERS
27517	GRAVURE PRINTING OF MAGAZINES AND PERIODICALS, NEWSPAPER READY PRINTS AND SUPPLEMENTS
35551	GRAVURE PRINTING PRESSES
35551	GRAVURE, SHEET-FED AND WEB-FED PRINTING PRESSES
35860	GREASE GUNS AND PUMPS
20941	GREASE (OF ANIMAL AND MARINE FATS AND OILS)
22970	GREASE, WOOL, RECOVERED (ANHYDROUS BASIS)
26218	GREASEPROOF, PAPER COARSE
29117	GREASES FOR LUBRICATING MADE IN REFINERIES
29920	GREASES, LUBRICATING FROM PURCHASED MATERIAL
32111	GREENHOUSE GLASS, SHEET
20332	GREENS, LEAFY, CANNED
27712	GREETING CARDS, PRINTED FOR PUBLICATION BY OTHERS
27711	GREETING CARDS, PUBLISHERS' SALES
19990	GRENADE PROJECTORS AND PARTS

Code	Product
19293	GRENADES AND PARTS
34460	GRILLE WORK, METAL (INCLUDING OPEN MESH PARTITIONS AND GUARDS) EXCEPT CURTAIN WALL AND OTHER EXTERIOR PANELS)
36343	GRILLS, SANDWICH, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
36312	GRILLS (OUTDOOR COOKING)
35319	GRINDERS AND PULVERIZERS, PORTABLE
35482	GRINDERS, POLISHERS, CIRCULAR SANDERS, POWER-DRIVEN HANDTOOLS
35540	GRINDERS, PULPMILL MACHINERY
32912	GRINDING AND CUTTING WHEELS, BONDED ABRASIVES
35418	GRINDING AND POLISHING MACHINES METAL-CUTTING USE, DESIGNED FOR HOME WORKSHOPS, GARAGES, ETC.
35414	GRINDING AND POLISHING MACHINES, FOR METAL EXCEPT GEAR TOOTH
35414	GRINDING, HONING, LAPPING, POLISHING, BUFFING MACHINES
35322	GRINDING MILL, MINING MACHINERY
20922	GRITS, SOY
26431	GROCERS BAGS, PAPER
36430	GROUND CLAMPS (ELECTRIC WIRING DEVICES)
26212	GROUNDWOOD PAPER, UNCOATED
26112	GROUNDWOOD PULP, INCLUDING CHEMI-GROUND
33151	GUARD RAIL CABLE, FERROUS, STRAND WIRE, FROM WIREDRAWERS IN SAME ESTABLISHMENT
34811	GUARD RAIL CABLE FERROUS, STRAND WIRE-NOT PRODUCED BY WIREDRAWERS
33120	GUARD RAILS, CARBON STEEL A STEEL MILL PRODUCT
26451	GUIDE CARDS, PAPER DIE-CUT
37292	GUIDED MISSILE COMPONENTS AND SUBASSEMBLIES EXCEPT ENGINES AND PARTS
37292	GUIDED MISSILES, FRAMES AND SUBASSEMBLIES AND PARTS OTHER THAN ELECTRONIC, GUIDANCE SYSTEMS
36628	GUIDANCE AND NAVIGATION SYSTEMS AND EQUIPMENT - MISSILE-BORNE AND SPACE VEHICLE-BORNE
19251	GUIDED MISSILES, COMPLETE (EXCEPT PROPULSION)
39314	GUITARS AND PARTS
20730	GUM, (NOT MEDICATED) AND BASE, CHEWING
28612	GUM TURPENTINE
26413	GUMMED PAPER.PRODUCTS, INCLUDING TAPE
26413	GUMMED PRODUCTS INCLUDING SEALING TAPE, GUMMED FLAT PAPER AND STOCK LABELS, UNPRINTED
19110	GUN CARRIAGES AND MOUNTS AND PARTS FOR GUNS OVER 30 MM. (OR OVER 1.18 INCHES)
28612	GUN NAVAL STORES
28921	GUN POWDER, INDUSTRIAL
19110	GUN SIGHTS, FOR GUNS OVER 30 MM. (OR OVER 1.18 INCHES)
38312	GUN SIGHTS MADE IN OPTICAL PLANTS
19110	GUNS, HOWITZERS, MORTARS, OVER 30 MM. (OR OVER 1.18 INCHES)
24262	GUNSTOCKS, DIMENSION HARDWOOD FOR INDUSTRY
39410	GUNS (TOYS), GUNS SETS, AND RIFLES
30698	GUTTA PERCHA, BALATA, AND GUTTA PRODUCTS MADE OF RUBBER
32751	GYPSUM BUILDING MATERIALS
32950	GYPSUM, CRUSHED AND GROUND, UNCALCINED
26317	GYPSUM LINERBOARD, SPECIAL COMBINATION PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD
32752	GYPSUM, PLASTER, INDUSTRIAL
32752	GYPSUM PRODUCTS, OTHER THAN BUILDING MATERIALS
38111	GYROSCOPES, NAVIGATIONAL
34250	HACKSAW BLADES
28443	HAIR COLORING PREPARATIONS (BLEACHES DYES, RINSES, TINTS, ETC.)
39642	HAIR CURLERS (EXCEPT RUBBER AND FOR BEAUTY PARLOR USE)
28443	HAIRDRESSINGS, INCLUDING BRILLIANTINES, CREAMS AND POMADES
36343	HAIR DRYERS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
28443	HAIR DYES
22910	HAIR, FELT, PUNCHED OR NEEDLED
28443	HAIR PREPARATIONS, SHAMPOOS, SOAP, WAVE SETS, ETC.
28443	HAIR RINSES
28443	HAIR SHAMPOOS
28443	HAIR TONICS INCLUDING HAIR AND SCALP CONDITIONERS
39999	HAIRWORK, SWITCHES, TOUPEES AND WIGS
39913	HAIRBRUSHES
39642	HAIRPINS
20262	HALF-AND-HALF CREAM PACKAGED AT THIS PLANT
22522	HALF-HOSE MEN'S FINISHED SEAMLESS HOSIERY, NYLON, COTTON, WOOL, OTHER YARNS AND MIXTURES
22542	HALF-SLIPS AND SLIPS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
25112	HALL FURNITURE, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
23393	HALTERS, WOMEN'S AND MISSES'
20136	HAM, BOILED OR SMOKED, NOT CANNED OR MADE INTO SAUSAGE, NOT PROCESSED IN MEATPACKING PLANT
20116	HAM, BOILED OR SMOKED, NOT CANNED OR MADE INTO SAUSAGE, PROCESSED IN MEATPACKING PLANT
20111	HAMBURGER, NOT CANNED OR MADE INTO SAUSAGE
34231	HAMMERS, BALL PEEN
34233	HAMMERS, FORGING, LIGHT
35482	HAMMERS, POWER-DRIVEN HANDTOOL
25143	HAMMOCKS, METAL
25117	HAMMOCKS, WOOD, OUTDOOR FURNITURE
24430	HAMPERS, VENEER AND PLYWOOD
37992	HANDCARTS AND PUSHCARTS, INCLUDING PARTS AND ATTACHMENTS
35370	HAND LIFTS
28445	HAND LOTIONS
35613	HAND PUMPS AND PUMP JACKS
35370	HAND TRUCKS AND TRAILERS, INCLUDING DOLLIES AND PLATFORM TRUCKS
31710	HANDBAGS AND PURSES, LADIES' AND CHILDREN'S LEATHER, PLASTIC, OR OTHER MATERIALS EXCEPT PRECIOUS METAL
31111	HANDBAG LEATHER
22115	HANDKERCHIEF FABRICS, FINE, FANCY, BOX, AND DOBBY (GRAY GOODS) BROADWOVEN
23890	HANDKERCHIEFS, COTTON, EXCEPT EMBROIDERED
23951	HANDKERCHIEFS, EMBROIDERED, EXCEPT SCHIFFLI-MACHINE
26472	HANDKERCHIEFS, PAPER
23970	HANDKERCHIEFS, SCHIFFLI-MACHINE EMBROIDERED
24262	HANDLE DIMENSION STOCK, HARDWOOD FOR INDUSTRY
30695	HANDLES AND BRUSH BACKS, RUBBER
24995	HANDLES, WOOD, BROOM, MOP, AND PAINT BRUSH
24995	HANDLES, WOODEN HANDTOOLS
32210	HANDMADE GLASS CONTAINERS
34294	HANGERS, TRACKS AND OVERHEAD DOOR HARDWARE
33159	HANGERS, WIRE, GARMENTS, FERROUS MADE IN WIREDRAWING PLANT
34819	HANGERS, WIRE GARMENTS, FERROUS NOT PRODUCED BY WIREDRAWERS
24996	HARD PRESSED WOOD FIBERBOARD (HARDBOARD)
24996	HARDBOARD
28993	HARDING COMPOUNDS, CONCRETE FLOOR
34294	HARDWARE, BUILDERS'
33157	HARDWARE CLOTH (FERROUS) MADE IN WIREDRAWING PLANT
34814	HARDWARE CLOTH, FERROUS, NOT PRODUCED BY WIREDRAWERS
34295	HARDWARE FOR REFRIGERATORS, STOVES, FIREPLACES, TRUCKS, LUGGAGE, CASKETS, HOSE
34292	HARDWARE, FURNITURE
34291	HARDWARE, MARINE, AIRCRAFT, AUTO
30795	HARDWARE, PLASTICS, CUSTOM-MADE
30798	HARDWARE, PLASTICS, EXCEPT CUSTOM-MADE
34294	HARDWARE, SASH, SCREEN AND SHELF
34294	HARDWARE, SCREEN-DOOR, TRANSOM, AND WINDOW
24262	HARDWOOD DIMENSION STOCK, INCLUDING VEHICLE
28612	HARDWOOD DISTILLATION PRODUCTS
24261	HARDWOOD FLOORING
24321	HARDWOOD PLYWOOD
24325	HARDWOOD VENEER
31990	HARNESS, LEATHER
31111	HARNESS LEATHER FINISHED CATTLE HIDE
39314	HARPS AND PARTS
35224	HARROWS FOR FARM, AND ATTACHMENTS
23522	HARVEST HATS
35225	HARVESTING MACHINERY, AND ATTACHMENTS
36341	HASSOCK-TYPE FAN ELECTRIC HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
25121	HASSOCKS, UPHOLSTERED WOOL
23961	HAT BANDS, HAT LININGS, MEN'S AND BOYS'
23521	HAT BODIES WOOL OR FUR FELT
23510	HAT FRAMES, ALL TYPES, MILLINERY FOR WOMEN AND CHILDREN
35595	HAT MAKING MACHINERY
34232	HATCHETS
23522	HATS AND CAPS CLOTH INCLUDING UNIFORM
23522	HATS AND CAPS CLOTH, MEN'S AND BOYS' MADE CHIEFLY OF COTTON OR OTHER FABRICS, (INCLUDING UNIFORM)
23522	HATS AND CAPS MADE FROM PURCHASED FUR ON THE SKIN (EXCEPT MILLINERY)
23521	HATS AND HAT BODIES, EXCEPT CLOTH AND MILLINERY
23522	HATS, CLOTH, MEN AND BOYS, INCLUDING PLASTIC WOOLS AND INCLUDING UNIFORM
23521	HATS, FUR-FELT, FINISHED HATS EXCEPT MILLINERY
23521	HATS, MEN AND BOYS, STRAW WITH SEWED BRAID OR WOVEN BODIES
23521	HATS, WOOL-FELT, FINISHED HATS, EXCEPT MILLINERY
23961	HATTERS' FUR, CUT OR BLOWN FOR SALE AS SUCH
35226	HAY BALERS THROWING ATTACHMENTS AND BALE LOADERS (FIELD-TYPE)
34232	HAY KNIVES
35226	HAYING MACHINERY
25115	HEAD BOARDS, BEDS, WOOD, FINISHED AND PAINTED
20117	HEADCHEESE, NOT CANNED, MADE IN MEATPACKING PLANT
20137	HEADCHEESE, NOT CANNED, NOT MADE IN MEATPACKING PLANT
34523	HEADED (METAL) PRODUCTS OTHER THAN INDUSTRIAL FASTENERS
36992	HEADING EQUIPMENT, ELECTRIC, INCLUDING WARM AIR FURNACES AND UNIT HEATER, EXCEPT PORTABLE HOUSEHOLD AIR SPACE HEATERS
24290	HEADINGS, MADE IN SAWMILLS, FOR CASKS, BARRELS, ETC.
36424	HEADLIGHT FIXTURES, ELECTRIC, AUTO AND OTHER VEHICULARS, EXCEPT BULBS (EXCEPT PARTS AND ACCESSORIES)
26472	HEADRESTS, PAPER
23690	HEADWEAR, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23522	HEADWEAR, MADE FROM PURCHASED KNIT FABRIC INCLUDING FASCINATORS, HEAD SCARFS, HOODS, ETC.
20999	HEALTH FOODS, EXCEPT WEIGHT CONTROL PRODUCTS
37130	HEARSES AND UNDERTAKERS' WAGONS COMPLETE VEHICLES, PRODUCED ON PURCHASED CHASSIS
37112	HEARSES AND UNDERTAKERS VEHICLES MADE ON OWN MANUFACTURE CHASSIS
37111	HEARSES, COMPLETE VEHICLES, KNOCK-DOWN OR ASSEMBLED
38424	HEARING AIDS, ELECTRICAL AND ELECTRONIC
34431	HEAT EXCHANGERS AND STEAM CONDENSERS, BOILER SHOP
35851	HEAT PUMPS (UNITARY AID-CONDITIONERS)
34336	HEAT TRANSFER COILS
35851	HEAT TRANSFER EQUIPMENT EXCEPT ROOM AND UNITARY AIR-CONDITIONERS
33996	HEAT TREATING OF STEEL FOR THE TRADE
34336	HEATER AND VENTILATOR UNITS
36996	HEATER CORD, APPLIANCE MADE FROM PURCHASED MATERIAL
33576	HEATER CORD, APPLIANCE PRODUCED IN ESTABLISHMENTS WHICH INSULATE WIRE
36393	HEATERS, AIR SPACE, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
34334	HEATERS AND STOVES, SOLID FUEL, DOMESTIC AND SCHOOLROOM
36992	HEATERS, ELECTRIC
34336	HEATERS, (GAS FIRED UNITS ONLY)
35673	HEATERS, TUBULAR
34336	HEATERS, UNIT, PARTS
35673	HEATERS WATER IMMERSION, INDUSTRIAL
35673	HEATING EQUIPMENT, DIELECTRIC
35673	HEATING EQUIPMENT--HIGH FREQUENCY INDUCTION AND DIELECTRIC INCLUDING PARTS AND ATTACHMENTS
34336	HEATING EQUIPMENT PARTS, EXCEPT ELECTRIC
36343	HEATING PADS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
34211	HEDGE AND GRASS SHEARS (EXCEPT ELECTRIC)
35228	HEDGE TRIMMERS AND SHEARS, POWER
30696	HEELS AND SOLES, RUBBER
31310	HEELS, BOOT AND SHOE CUT STOCK
38312	HEIGHT FINDERS (FIRE CONTROL EQUIPMENT) MADE IN OPTICAL PLANTS
19410	HEIGHT FINDERS (FIRE CONTROL EQUIPMENT) NOT MADE IN OPTICAL PLANT
34930	HELICAL STEEL SPRINGS, HOT WOUND
37211	HELICOPTER MILITARY AIRCRAFT
28134	HELIUM, INDUSTRIAL
28347	HEMATINICS, EXCEPT VITAMIN B-12 PHARMACEUTICAL, FOR HUMAN USE
28343	HEMOSTATICS (FOR CONTROL OF CAPILLARY, VENOUS OR ARTERIAL BLEEDING)
22982	HEMP CORDAGE AND TWINE SOFT-FIBER
22992	HEMP THREAD
23959	HEMSTITCHING FOR THE TRADE (CONTRACT RECEIPTS)
20151	HENS, CHICKEN, DRESSED AND PACKED
28790	HERBICIDAL PREPARATIONS
36795	HERMETIC SEALS FOR ELECTRONIC APPLICATION
20310	HERRING, SMOKED FISH
25144	HI-FI CABINETS, METAL
25111	HI-FI CABINETS, WOOD, PAINTED OR FINISHED
22114	HICKORY-STRIPES, STRIPED COTTON TWILL WEAVE FABRIC (GRAY GOODS)
20119	HIDES, SKINS, AND PELTS
25116	HIGH CHAIRS, AND COMBINATION FEEDING CHAIR-TABLES, WOOD, PAINTED OR FINISHED
25144	HIGH CHAIRS, METAL, FOR INFANTS AND CHILDREN

Code	Product
27311	HIGH SCHOOL TEXTBOOKS, PRINTING AND PUBLISHING
36730	HIGH VACUUM TUBES, ELECTRONIC
32640	HIGH VOLTAGE PORCELAIN PRODUCTS SHIPPED WITH OR WITHOUT HARDWARE PARTS
34294	HINGES, BUILDERS HARDWARE
37150	HITCHES, TRAILER TRUCK
39410	HOBBY HANDICRAFT, STRUCTURAL, AND MODEL KITS, SETS AND COMPONENTS
35451	HOBS, GEARS, SPLINE, SERRATION AND SPROCKETS, SMALL CUTTING TOOLS
34233	HOES
31114	HOG AND PIG LEATHER, FINISHED
35228	HOG EQUIPMENT, FEEDING, HANDLING, WATERING, ETC. (FARM)
24218	HOGSHEAD, STOCK, TOBACCO, WOOD
24450	HOGSHEADS, WOODEN SLACK AND TIGHT COOPERAGE
35361	HOISTS, HAND AND ELECTRIC CHAIN AND WIRE ROPE INCLUDING PARTS AND ATTACHMENTS FOR HOISTS SOLD SEPARATELY
35361	HOISTS, PARTS AND ATTACHMENTS, SOLD SEPARATELY
39141	HOLLOW WARE, STERLING SILVER, PLATED STAINLESS STEEL AND ALUMINUM
31990	HOLSTERS, LEATHER
28443	HOME WAVE KITS AND REFILLS
20333	HOMINY, CANNED
20413	HOMINY, EXCEPT CANNED FOR HUMAN CONSUMPTION
20413	HOMINY FOR HUMAN OR ANIMAL CONSUMPTION
35511	HOMOGENIZERS FOR DAIRIES
20999	HONEY, BLENDED, INCLUDING CHURNED
35414	HONING AND LAPPING MACHINES
38423	HOODS, EYE AND FACE PROTECTION
34443	HOODS, RANGE KITCHEN, SHEET METAL
22790	HOOKED CARPETS AND RUGS
24290	HOOPS, MADE IN SAWMILLS
23392	HOOVERS, WOMEN'S AND MISSES' WASHABLE SERVICE APPAREL
37141	HORNS, AUTO
31114	HORSE LEATHER, FINISHED
24995	HORSES, WOODEN, SCAFFOLDING EQUIPMENT
28232	HORSEHAIR RAYON
20353	HORSERADISH
33152	HORSESHOE NAILS, STEEL CUT
28341	HORMONE PREPARATIONS, IN COMBINATION WITH OTHER ACTIVE AGENTS, PHARMACEUTICAL, FOR HUMAN USE
28331	HORMONES, SYNTHETIC BULK
28349	HORMONES, VETERINARY, PHARMACEUTICAL
34946	HOSE AND FITTINGS AND HOSE ASSEMBLIES FOR HYDRAULIC, PNEUMATIC, AND FLUID TRANSFER SYSTEMS (EXCEPT PLUMBERS' BRASS GOODS)
30692	HOSE, COTTON, RUBBER LINED
30692	HOSE, FIRE-COMMERCIAL, COTTON RUBBER LINED, CIRCULAR WOVEN
34295	HOSE FITTINGS AND COUPLINGS
35992	HOSE, FLEXIBLE, METAL
30692	HOSE, GARDEN, MOLDED RUBBER
30697	HOSE, GASOLINE, RUBBER
30692	HOSE, HORIZONTAL REINFORCED, TEXTILE WIRE, RUBBER
34320	HOSE NOZZLES, AND LAWN SPRINKLERS
30692	HOSE, RUBBER, MOLDED
30692	HOSE, R. R. SPECIFICATION RUBBER
23890	HOSE SUPPORTERS
30692	HOSE, VERTICAL BRAIDED, GARDEN AND RADIATOR, RUBBER
30692	HOSE WRAPPED RUBBER
22524	HOSIERY, BOYS' AND MEN'S, ALL TYPES, SHIPPED IN THE GREIGE
22523	HOSIERY FOR BOYS, FINISHED AND SEAMLESS, INCLUDING SLACK AND KNEE-LENGTH, ATHLETIC AND CREW SOCKS MADE OF COTTON, ALL OTHER YARNS AND MIXTURES
22524	HOSIERY, MISSES' AND CHILDREN'S ANKLETS AND SOCKS EXCEPT MISSES' KNEE-LENGTH SOCKS, SHIPPED IN THE GREIGE
22523	HOSIERY FOR MISSES AND CHILDREN, FINISHED AND SEAMLESS, INCLUDING ANKLETS, ATHLETIC, CREW AND KNEE-LENGTH SOCKS
25990	HOSPITAL BEDS
25153	HOSPITAL BEDSPRINGS, ALL TYPES, INCLUDING MANUAL OR MOTORIZED
34614	HOSPITAL UTENSILS, STAMPED AND SPUN ALUMINUM METAL
34615	HOSPITAL UTENSILS, STAMPED AND SPUN METAL, EXCEPT ALUMINUM
25142	HOSTESS CARTS, METAL KITCHEN FURNITURE
34334	HOT BLAST STOVES, DOMESTIC HEATING
27910	HOT METAL AND RELATED TYPESETTING SERVICES, INCLUDING HAND AND MACHINE TYPESETTING
36343	HOTPLATES, ELECTRIC HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
36312	HOTPLATE, GAS, HOUSEHOLD
33124	HOT-ROLLED STEEL BARS AND BAR SHAPES
33123	HOT-ROLLED STEEL SHEET AND STRIP, CARBON, ALLOY AND STAINLESS STEEL
34336	HOT WATER STORAGE TANKS
23920	HOUSEFURNISHINGS, TEXTILE, EXCEPT EMBROIDERED, MADE FROM PURCHASED FABRIC
31420	HOUSE SLIPPERS
37910	HOUSETRAILER
24332	HOUSES, PREFABRICATED WOOD
23840	HOUSECOATS, WOMEN'S, MISSES', AND JUNIORS'
28423	HOUSEHOLD AMMONIA
34522	HOUSEHOLD APPLIANCE HEADED PRODUCTS, NONSTANDARD
34510	HOUSEHOLD APPLIANCE, SCREW MACHINE PRODUCTS (INCLUDING RADIO AND TELEVISION)
26432	HOUSEHOLD BAGS (ALL MATERIALS) (GARBAGE, LUNCH, SANDWICH, ETC.)
28415	HOUSEHOLD DETERGENTS
28192	HOUSEHOLD DRY BLEACHES, INORGANIC BASE
25144	HOUSEHOLD FURNITURE (NOT PORCH, OUTDOOR, OR LAWN) METAL UPHOLSTERED
25190	HOUSEHOLD FURNITURE, REED OR RATTAN
25117	HOUSEHOLD FURNITURE SOLD IN KITS, UNASSEMBLED
25121	HOUSEHOLD FURNITURE, WOOD, UPHOLSTERED
28421	HOUSEHOLD INSECTICIDES AND REPELLANTS
28192	HOUSEHOLD LIQUID BLEACHES SODIUM HYPOCHLORITE
22411	HOUSEHOLD TAPE, WOVEN, INCLUDING CARPET TAPE, BLANKET TAPE, SLIP COVER TAPE
22411	HOUSEHOLD WEBBING, DRAPERY AND FURNITURE WEBBING, WOVEN NARROW FABRIC
19110	HOWITZERS, GUNS, MORTARS, OVER 30 MM. (OR OVER 1.18 INCHES)
37141	HUB AND DRUM ASSEMBLIES, MOTOR VEHICLE
23929	HUCK AND CRASH TOWELS, COTTON MADE FROM PURCHASED FABRIC
22119	HUCK AND CRASH TOWELS, COTTON MADE IN BROADWOVEN FABRIC MILLS
22114	HUCK(COTTON BROADWOVEN TOWELING) (GRAY GOODS)
20922	HULL MEAL, SOYBEAN
20914	HULLS, COTTONSEED BYPRODUCTS
36343	HUMIDIFIERS, PORTABLE, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
38213	HUMIDITY INSTRUMENTS
28163	HYDRATED CHROMIUM OXIDE PIGMENT
35992	HYDRAULIC CYLINDERS
35612	HYDRAULIC FLUID POWER PUMPS AND MOTORS
29920	HYDRAULIC FLUIDS MADE FROM PURCHASED MATERIALS
29117	HYDRAULIC FLUIDS, MADE IN REFINERIES
37291	HYDRAULIC SYSTEMS, AIRCRAFT
35111	HYDRAULIC TURBINE GENERATOR SET UNITS AND PARTS
35112	HYDRAULIC TURBINES AND PARTS
34942	HYDRAULIC VALVES, ALL PRESSURES
28194	HYDROCHLORIC, FROM SALT OR CHLORINE, INORGANIC ACIDS
28194	HYDROFLUORIC, ACIDS
28134	HYDROGEN, INDUSTRIAL
28199	HYDROGEN PEROXIDE
20943	HYDROGENATED FISH, MARINE, ANIMAL OILS, INEDIBLE
20961	HYDROGENATED OILS, EDIBLE, ANIMAL OR VEGETABLE
27413	HYDROGRAPHIC CHARTS, PUBLISHING
20460	HYDROL (WET PROCESS CORN BYPRODUCT)
28196	HYDROXIDE, ALUMINUM COMPOUNDS
27314	HYMNAL
28342	HYPNOTICS, TRANQUILIZERS, AND SEDATIVES, FOR HUMAN USE
38410	HYPODERMIC SYRINGES AND NEEDLES
36624	I.L.S. EQUIPMENT (FOR NAVIGATION)
30697	ICE BAGS AND CAPS, RUBBER
36321	ICEBOXES (METAL OR WOOD), HOUSEHOLD ONLY
35811	ICE COIN-OPERATED VENDING MACHINES
20240	ICE CREAM
20721	ICE CREAM COATING MADE CHIEFLY FROM COCOA POWDER AND FAT OTHER THAN COCOA BUTTER
20522	ICE CREAM CONES AND CUPS (BAKERY PRODUCT)
35511	ICE CREAM FREEZERS, INDUSTRIAL
35853	ICE CREAM HARDENING AND STORAGE CABINETS, COMMERCIAL
20234	ICE CREAM MIX, UNFROZEN, MADE IN CONDENSED AND EVAPORATED MILK PLANTS
36343	ICE CRUSHERS, HOUSEHOLD, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS)
35851	ICEMAKING MACHINES
20970	ICE, MANUFACTURED, EXCEPT DRY ICE
20240	ICE MILK
20234	ICE MILK MIX, UNFROZEN MADE IN CONDENSED AND EVAPORATED MILK PLANTS
39493	ICE SKATES
20240	ICES, WATER
36945	IGNITION COILS FOR INTERNAL COMBUSTION ENGINES
36946	IGNITION DISTRIBUTOR PARTS, INCLUDING HEADS ROTORS, BREAKER POINTS SETS AND CONDENSERS FOR ENGINE ELECTRICAL EQUIPMENT
36941	IGNITION HARNESS AND CABLE SETS FOR INTERNAL COMBUSTION ENGINES FOR AUTO, AIRCRAFT, TRACTOR, AND STATIONERY ENGINES
36945	IGNITION MAGNETOS
36121	IGNITION TRANSFORMERS
36945	IGNITION UNITS, JET FOR INTERNAL COMBUSTION ENGINES
36240	ILLUMINATION CARBONS
35482	IMPACT WRENCHES, POWER-DRIVEN HANDTOOL
35663	INBOARD MARINE GEAR TRANSMISSIONS
37321	INBOARD MOTOR BOATS, ALL TYPES
36410	INCANDESCENT LIGHT BULBS
36421	INCANDESCENT LIGHTING FIXTURES AND EQUIPMENT RESIDENTIAL, EXCEPT PORTABLE (EXCEPT BULBS, PARTS AND ACCESSORIES)
36423	INCANDESCENT LIGHTING FIXTURES, INDUSTRIAL AND COMMERCIAL (EXCEPT PARTS, ACCESSORIES, AND BULBS)
35595	INCANDESCENT LAMPMAKING MACHINERY
36427	INCANDESCENT PORTABLE LAMPS RESIDENTIAL, EXCEPT BULB
28993	INCENSE
34336	INCINERATORS, DOMESTIC, METAL
35228	INCUBATORS, FARM POULTRY EQUIPMENT
38421	INCUBATORS, INFANTS
26451	INDEX CARDS, PAPER DIE-CUT
27822	INDEXES FOR LOOSELEAF BINDERS
35673	INDUCTION FURNACES AND HEATING EQUIPMENT
36112	INDUCTOR MEASURING EQUIPMENT
24217	INDUSTRIAL CUT STOCK, SOFTWOOD
24262	INDUSTRIAL DIMENSION STOCK, FOR HANDLES, GOLF CLUBS, AGRICULTURAL
24262	IMPLEMENTS, RAILROAD CARS, VEHICLE AND LADDER PARTS, SKIS, GUNSTOCKS, ETC.
38513	INDUSTRIAL EYE PROTECTORS, MOUNTINGS AND PARTS
34522	INDUSTRIAL FASTENERS (NONSTANDARD)
34521	INDUSTRIAL FASTENERS, STANDARD
31210	INDUSTRIAL LEATHER BELTING AND PACKING
35442	INDUSTRIAL MOLDS, EXCEPT METAL
35672	INDUSTRIAL OVENS, FUEL FIRED (EXCEPT PARTS AND ATTACHMENTS)
24262	INDUSTRIAL PARTS, FABRICATED AND SEMIFABRICATED, HARDWOOD DIMENSION STOCK
35650	INDUSTRIAL PATTERNS OF WOOD, METAL, ETC., EXCEPT SHOE PATTERNS
30795	INDUSTRIAL PLASTICS PRODUCTS
30113	INDUSTRIAL PNEUMATIC AND SOLID TIRES
35673	INDUSTRIAL PROCESS FURNACES AND OVENS, PARTS AND ATTACHMENTS ONLY
38213	INDUSTRIAL PROCESS INSTRUMENTS
35611	INDUSTRIAL PUMPS, EXCEPT HYDRAULIC FLUID POWER
35370	INDUSTRIAL TRUCKS AND TRACTORS, PARTS AND ATTACHMENTS
33575	INDUSTRIAL WIRE CLOTH, NONFERROUS MADE IN WIREDRAWING PLANT
34815	INDUSTRIAL WIRE CLOTH, NONFERROUS NOT MADE BY WIREDRAWERS
33157	INDUSTRIAL WIRE CLOTH, STEEL, MADE IN WIREDRAWING PLANT
34814	INDUSTRIAL WIRE CLOTH, STEEL NOT MADE BY WIREDRAWERS
31416	INFANTS' AND BABIES' SHOES
20231	INFANTS' DIETARY SUPPLEMENTS, DRY MILK BASE
22523	INFANTS' FINISHED HOSIERY, ALL TYPES
20231	INFANTS' FORMULAS, LIQUID, CANNED
25144	INFANTS' METAL PLAYPENS, HIGH CHAIRS, TABLES
36749	INFRARED DETECTORS (LIGHT SENSITIVE, SEMICONDUCTOR)
36426	INFRARED HEALTH LAMP FIXTURES
36410	INFRARED LAMP UNITS (BULBS ONLY)
33347	INGOT, ALUMINUM, PRIMARY PRODUCTION
33527	INGOT, ALUMINUM, PRODUCED IN ROLLING MILLS
33417	INGOT, ALUMINUM, SECONDARY SMELTERS
33122	INGOT, CARBON, ALLOY, AND STAINLESS STEEL
33211	INGOTS, MOLDS AND STOOLS, FOR GRAY-IRON, HEAVY STEEL
28344	INHALER TUBES, FOR COUGH AND COLD
39510	INK CARTRIDGES REFILL FOR BALLPOINT PENS
28930	INK, PRINTING
35552	INK ROLLERS, PRINTING TYPE, PRINTING TRADE MACHINERY
39550	INKED RIBBONS
28930	INKS, GRAVURE, PRINTING

Code	Product
28930	INKS, LITHOGRAPHIC AND OFFSET
28930	INKS LETTERPRESS, BLACK OR COLOR
28930	INKS, TEXTILE PRINTING
28993	INKS WRITING AND STAMP PAD, INDELIBLE AND MARKING, EXCEPT DRAWING
30114	INNERTUBES FOR VEHICLE, AIRCRAFT TRACTOR AND IMPLEMENTS
25151	INNERSPRING MATTRESS, EXCEPT CRIB AND BABY
28194	INORGANIC ACIDS, EXCEPT NITRIC AND SULFURIC
28163	INORGANIC COLOR PIGMENTS
28332	INORGANIC MEDICINAL CHEMICALS IN BULK
30796	INSECT SCREENING, PLASTICS
33575	INSECT WIRE SCREENING, NONFERROUS MADE IN WIREDRAWING PLANT
34815	INSECT WIRE SCREENING NONFERROUS COPPER OR ALUMINUM-NOT MADE BY WIREDRAWERS
33157	INSECT WIRE SCREENING, STEEL, MADE IN WIREDRAWING PLANT
34814	INSECT WIRE SCREENING STEEL, NOT MADE BY WIREDRAWERS
28790	INSECTICIDAL AND FUNGICIDAL PREPARATIONS, AGRICULTURE
28421	INSECTICIDES AND REPELLANTS, HOUSEHOLD
23990	INSIGNIA, FROM TEXTILE PURCHASED FABRIC
39112	INSIGNIA, MILITARY, OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
31720	INSTRUMENT CASES, EXCEPT MUSICAL
36113	INSTRUMENT, ELECTRICAL INDICATING, PANEL, INDUSTRIAL AND LABORATORY
36113	INSTRUMENT RELAYS, ELECTRIC
38211	INSTRUMENTS, AIRCRAFT ENGINE, EXCEPT FLIGHT
38311	INSTRUMENTS AND LENSES, OPTICAL
38430	INSTRUMENTS, DENTAL
36113	INSTRUMENTS, ELECTRICAL, FOR MEASURING ELECTRICAL QUANTITIES BUT WHOSE SCALES MAY BE MARKED IN OTHER THAN ELECTRICAL QUANTITIES
36113	INSTRUMENTS, ELECTRICAL SWITCHBOARD
38216	INSTRUMENTS FOR DETECTING AND MEASURING RADIO ACTIVITY
38213	INSTRUMENTS, INDUSTRIAL, PROCESS, THERMOMETERS, PYROMETERS, HUMIDITY
36111	INSTRUMENTS, INTEGRATING, ELECTRICAL
38112	INSTRUMENTS, LABORATORY AND SCIENTIFIC
38214	INSTRUMENTS, MOTOR VEHICLE, EXCEPT ELECTRIC
39314	INSTRUMENTS, MUSICAL, EXCEPT PIANO AND ORGAN
38111	INSTRUMENTS, NAVIGATIONAL, AIRCRAFT FLIGHT AND NAUTICAL, INCLUDING AUTOMATIC PILOT
38216	INSTRUMENTS, NUCLEAR RADIATION COUNTERS
38410	INSTRUMENTS, SURGICAL AND MEDICAL
38113	INSTRUMENTS, SURVEYING AND DRAFTING
25223	INSULATED FILING CABINETS, METAL
33577	INSULATED MAGNET STRIP CONDUCTOR
33574	INSULATED WIRE AND CABLE (COMMUNICATION) PULP AND PAPER, LEAD, POLYETHYLENE, ETC.
26611	INSULATING BOARD
22953	INSULATING FABRICS, VARNISHED
32550	INSULATING FIRE BRICK AND SHAPES, CLAY REFRACTORIES
26611	INSULATING ROOF DECK SLAB
22411	INSULATING TAPES, ELECTRIC, WOVEN NARROW FABRIC
32933	INSULATION, ASBESTOS
30792	INSULATION, FOAMED PLASTICS
32962	INSULATION, MINERAL WOOL, FOR INDUSTRIAL AND EQUIPMENT
32961	INSULATION, MINERAL WOOL, STRUCTURAL
24994	INSULATION PRODUCTS, CORK
28993	INSULATION PRODUCTS, HEAT ELECTRIC, ETC.
30695	INSULATION PRODUCTS, RUBBER
32640	INSULATORS, PORCELAIN, HIGH AND LOW VOLTAGE, SUSPENSION TYPE, SWITCH, CAP, PIN, POST, AND SPOOLS
28341	INSULIN
27514	INSURANCE FORMS, FINANCIAL AND LEGAL, PRINTED BY LETTERPRESS
27524	INSURANCE FORMS PRINTED BY LITHOGRAPHIC
27530	INTAGLIO PLATES MADE FOR OTHERS
36212	INTEGRAL HORSEPOWER MOTORS AND GENERATORS, OTHER THAN FOR LAND TRANSPORTATION EQUIPMENT
35317	INTEGRAL TRACTOR-SHOVEL LOADERS, WHEEL AND TRACKLAYING, EXCEPT PARTS
36111	INTEGRATING INSTRUMENTS, ELECTRICAL
36741	INTEGRATED MICROCIRCUITS (SEMICONDUCTOR NETWORKS)
38212	INTEGRATING METERS, NONELECTRICAL TYPE
36623	INTERCOMMUNICATION EQUIPMENT, ELECTRONICALLY AMPLIFIED (EXCEPT TELEPHONE AND TELEGRAPH)
28513	INTERIOR OIL-TYPE PAINTS TRADE SALE
20620	INVERT SUGAR CANE
28199	IODINE, CRUDE OR RESUBLIMED
28346	IODINE, TINCTURE OF
34413	IRON AND STEEL, FABRICATED STRUCTURAL (EXCEPT FOR BRIDGES AND BUILDINGS)
34412	IRON AND STEEL, FABRICATED STRUCTURAL, FOR BRIDGES ONLY
34411	IRON AND STEEL, FABRICATED STRUCTURAL FOR BUILDINGS ONLY
33991	IRON AND STEEL POWDER AND PASTE PRIMARY
33151	IRON AND STEEL WIRE ROPE, CABLE AND STRAND NONINSULATED, FERROUS, MADE IN WIREDRAWING PLANT
34811	IRON AND STEEL WIRE ROPE, CABLE AND STRAND NONINSULATED, FERROUS-NOT PRODUCED BY WIREDRAWERS
28163	IRON BLUES, INORGANIC COLOR PIGMENTS
33220	IRON CASTINGS, MALLEABLE
28331	IRON (FERROUS) GLUCONATE, BULK
28163	IRON OXIDE PIGMENTS
33121	IRON, PIGMENT, PRODUCED BY BLAST FURNACE
35820	IRONERS, FLATWORK, COMMERCIAL LAUNDRIES
36332	IRONERS, MECHANICAL, HOUSEHOLD
34990	IRONING BOARDS, METAL
36343	IRONS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
39530	IRONS, MARKING AND BRANDING
32721	IRRIGATION PIPE, CONCRETE
34442	IRRIGATION PIPE, METAL
23630	JACKETS (EXCEPT LEATHER), GIRLS' AND INFANTS', SIZES 2 TO 16
23710	JACKETS, FUR
23291	JACKETS, HEAVY OUTERWEAR, MEN'S, YOUTHS', AND BOYS' (EXCEPT LEATHER, SHEEPSKIN, SWEATERS, AND TAILORED JACKETS)
23860	JACKETS, LEATHER AND SHEEP LINED MEN'S, BOYS', WOMEN'S, MISSES', AND JUNIORS'
23292	JACKETS, LIGHT OUTERWEAR, WOVEN OR KNIT FABRIC, FOR MEN OR BOYS
23291	JACKETS, LUMBER, MEN'S AND BOYS'
22531	JACKETS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23291	JACKETS, MELTON, MEN'S AND BOYS'
23292	JACKETS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRIC
23113	JACKETS, MEN'S, TAILORED DRESS, LEISURE, AND SPORT
23282	JACKETS, OVERALL AND WORK, MEN'S AND BOYS'
23840	JACKETS, "SMOKING"
23119	JACKETS, TAILORED, MEN'S AND BOYS', (CONTRACT AND COMMISSION RECEIPTS)
23379	JACKETS, TAILORED, WOMEN'S, MISSES', AND JUNIORS' (CONTRACT AND COMMISSION WORK)
23374	JACKETS, WOMEN'S, MISSES', AND JUNIORS', INCLUDING UNIFORM, EXCEPT LEATHER
25155	JACKNIFE SOFA BEDS AND CHAIR BEDS
35690	JACKS, HYDRAULIC
34231	JACKS, MECHANICAL
24995	JACKS, WOODEN, FOR SCAFFOLD, WINDOW, ETC.
22116	JACQUARD TAPESTRY FABRICS COTTON (GRAY GOODS)
22116	JACQUARD-WOVEN BEDSPREAD FABRICS, COTTON (GRAY GOODS)
22114	JACQUARD-WOVEN COTTON TOWELING, (GRAY GOODS)
34422	JALOUSIES, ALUMINUM
20338	JAMS, DIETETIC
20338	JAMS, PURE
34790	JAPANNING OF METAL
30695	JAR RINGS, RUBBER
32210	JARS, FRUIT, GLASS
30794	JARS, PLASTICS
37221	JATO BOTTLES FOR AIRCRAFT
23690	JEANS, GIRLS', CHILDREN'S, AND INFANTS' MADE FROM WOVEN OR PURCHASED FABRIC
22112	JEANS, PLAIN AND HERRINGBONE (COTTON) (GRAY GOODS)
23393	JEANS, WOMEN'S AND MISSES'
20117	JELLIED MEAT GOODS, NOT CANNED, MADE IN MEATPACKING PLANT
20137	JELLIED MEAT GOODS, NOT CANNED NOT MADE IN MEATPACKING PLANT
20338	JELLIES, DIETETIC
20338	JELLIES, PURE AND IMITATION
22211	JERSEY WEAVES, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
23690	JERSEYS, GIRLS', CHILDREN'S, AND INFANTS' MADE FROM PURCHASED KNIT FABRICS
22531	JERSEYS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23292	JERSEYS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRIC
23393	JERSEYS, WOMEN'S, MISSES', AND JUNIORS', MADE FROM PURCHASED KNIT FABRIC
29112	JET FUEL, NAPTHA AND KEROSENE TYPE
29112	JET-PROPULSION FUEL
35613	JET PUMP, DOMESTIC
39130	JEWEL CUTTING, DRILLING, POLISHING, RECUTTING OR SETTING
39130	JEWEL PREPARING FOR INSTRUMENTS, TOOLS, WATCHES, AND JEWELRY
39120	JEWELERS' FINDINGS AND MATERIALS, PINS, CLASPS, SPRING RINGS, RING BLANKS
35595	JEWELERS' MACHINERY
31720	JEWELRY BOXES AND CASES, LEATHER
39610	JEWELRY, COSTUME, EXCEPT PRECIOUS METALS
39111	JEWELRY MADE OF PLATINUM METALS AND CARAT GOLD
39112	JEWELRY MADE OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
35411	JIG BORING MACHINES
34250	JIG SAW BLADES, POWER
35482	JIG SAWS, POWER-DRIVEN HANDTOOL
35441	JIGS AND FIXTURES
34613	JOB STAMPING, AUTOMOTIVE
34612	JOB STAMPING, EXCEPT AUTOMOTIVE
24994	JOIN MATERIAL, EXPANSION, CORK
35531	JOINTERS, MATCHERS, MOLDERS, MORTISERS, SHAPERS, AND TENONERS, WOODWORKING MACHINERY, EXCEPT FOR HOME USE
32723	JOISTS, BEAMS, GIRDERS, AND PILINGS PRESTRESSED CONCRETE PRODUCTS
34293	JUGS, PICNIC, INSULATED
20371	JUICES AND ADES, FROZEN OR CHILLED (FRUIT)
20321	JUICES, CANNED (BABY FOODS ONLY)
20334	JUICES, (INCLUDING CONCENTRATED), FRUIT, CANNED, EXCEPT FROZEN
20335	JUICES, VEGETABLE, CANNED
22982	JUTE CORDAGE AND TWINE, SOFT FIBER
22910	JUTE, FELT, PUNCHED OR NEEDLED
22982	JUTE MANMADE SOFT FIBER ROPE
22992	JUTE WOVEN GOODS, EXCEPT FELT
22992	JUTE YARN
27315	JUVENILE BOOKS (EXCEPT TOY BOOKS)
20332	KALE, CANNED
24450	KEGS, WOODEN, INCLUDING RECOOPERED USED
29113	KEROSENE, EXCEPT JET FUEL
34334	KEROSENE HEATERS, PORTABLE, DOMESTIC
20336	KETCHUP (KATCHUP, CATSUP)
31720	KEY CASES
35418	KEYSEATING MACHINES FOR METALWORKING
31114	KID AND GOAT LEATHER, FINISHED
20110	KILLING FLOOR OFFAL (SLAUGHTERING HOUSE)
35595	KILNS AND LEHRS, INDUSTRIAL MACHINERY
23690	KIMONOS, INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC (SIZES 0 TO 1)
23413	KIMONOS, WOMEN'S AND CHILDREN'S NIGHTWEAR, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
25142	KITCHEN CABINET, METAL
25114	KITCHEN CABINETS, WOOD, PAINTED OR FINISHED (FACTORY MADE), ASSEMBLED OR UNASSEMBLED
24317	KITCHEN CABINETS, WOOD, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
34211	KITCHEN CUTLERY
25142	KITCHEN FURNITURE, METAL EXCEPT DINING, DINETTE AND BREAKFAST
25113	KITCHEN FURNITURE - WOOD (EXCEPT CABINETS) FINISH AND PAINTED
32291	KITCHEN GLASSWARE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	KITCHEN GLASS WARE MADE FROM PURCHASED GLASS
32610	KITCHEN SINKS, VITREOUS CHINA, AND GLAZED EARTHENWARE
34611	KITCHEN UTENSILS OF VITREOUS ENAMEL
32630	KITCHENWARE, FINE EARTHWARE HOUSEHOLD AND COMMERCIAL
32291	KITCHENWARE, GLASS FROM GLASS PRODUCED IN SAME ESTABLISHMENT
32316	KITCHENWARE, GLASS, MADE FROM PURCHASED GLASS
30797	KITCHENWARE, PLASTIC
32620	KITCHENWARE, PORCELAIN HOUSEHOLD AND COMMERCIAL
32620	KITCHENWARE, VITREOUS CHINA
33159	KITCHENWARE WIRE PRODUCTS, FERROUS, MADE IN WIREDRAWING PLANTS
36515	KITS, ELECTRONIC, HOME-TYPE
37322	KITS, PREFABRICATED, OUTBOARD MOTORBOATS
36622	KITS, RADIO AMATEUR, ELECTRONIC, ASSEMBLED BY CONSUMER

Code	Product
36730	KLYSTRONS TUBES
23271	KNICKERS, SEPARATE DRESS, MEN'S AND BOYS'
36343	KNIFE SHARPENERS ELECTRIC HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
20512	KNISHES
22562	KNIT CLOTH, CIRCULAR KNIT (GRAY GOODS) A KNIT FABRIC MILL PRODUCT
22561	KNIT CLOTH, WARP KNIT IN THE GREIGE (GRAY) (TRICOT, RASCHEL, SIMPLEX, MILANESE) SHIPPED OR TRANSFERRED FROM KNIT FABRIC MILL FOR FINISHING ELSEWHERE
22533	KNIT DRESSES AND SUITS FROM YARN OR FABRIC KNIT IN THE SAME ESTABLISHMENT
22562	KNIT FABRIC, SINGLE AND DOUBLE CIRCULAR KNIT AND FINISHED IN KNIT FABRIC MILL
22562	KNIT FABRICS, CIRCULAR A KNIT FABRIC MILL PRODUCT
22569	KNIT FABRICS, COMMISSION KNITTING AND/OR DYEING PRODUCED IN A KNIT FABRIC MILL
22561	KNIT FABRICS, WARP KNIT AND FABRIC FINISHED IN A KNIT FABRIC MILL
22531	KNIT JACKETS, JERSEYS OR SWEATERS MADE FROM YARNS OR FABRICS KNIT IN SAME ESTABLISHMENT
22561	KNIT LACE PRODUCED IN A KNIT FABRIC MILL
22543	KNIT NIGHTWEAR, WOMEN'S AND CHILDREN'S - MADE FROM YARNS AND FABRICS KNIT IN SAME ESTABLISHMENT
23612	KNIT SPORT SHIRTS, GIRLS' AND CHILDREN'S, MADE FROM PURCHASED FABRIC
22533	KNIT SWIMWEAR MADE FROM YARN AND FABRICS KNIT IN THE SAME ESTABLISHMENT
22790	KNITTED CARPETS AND RUGS, WOOL, COTTON AND MANMADE FIBERS
22569	KNITTING AND/OR DYEING KNIT FABRICS (COMMISSION RECEIPTS) PRODUCED IN A KNIT FABRIC MILL
35521	KNITTING MACHINES, TEXTILE AND HOSIERY
22539	KNITTING OUTERWEAR PRODUCTS (COMMISSION RECEIPTS)
22813	KNITTING YARNS, SPUN, RAYON AND/OR ACETATE-GRAY OR FINISHED IN SPINNING MILLS
22814	KNITTING YARNS, NONCELLULOSIC MANMADE FIBER AND SILK, GRAY OR FINISHED IN YARN SPINNING MILL
34211	KNIVES, POCKET AND OTHER FOLDING BLADE KNIVES
39142	KNIVES, TABLE, OF METAL
20860	KOLA EXTRACT DRINKS, BOTTLED AND CANNED DIETETIC OR NONDIETETIC
20872	KOLA EXTRACT FLAVORING, LIQUID BEVERAGE BASES, EXCEPT SYRUP
20873	KOLA EXTRACT OR FLAVORING SIRUPS FOR USE BY SOFT DRINK BOTTLERS
26217	KRAFT PAPER, UNBLEACHED AND COARSE, WRAPPING, BAG, AND SACK, SHIPPING SACK
35690	LABELING AND MARKING MACHINES EXCEPT FOOD, TOBACCO, LIQUOR, AND DAIRY PRODUCTS
27522	LABELS AND WRAPPERS PRINTED BY LITHOGRAPHIC
27512	LABELS AND WRAPPERS PRINTING, BY LETTERPRESS
26413	LABELS, GUMMED UNPRINTED STOCK
26414	LABELS, PRESSURE SENSITIVE, UNPRINTED
27518	LABELS PRINTED BY GRAVURE LABELS
27519	LABELS, SCREEN PROCESS OF DECAL LABELS, EXCEPT TEXTILE
26495	LABELS, UNPRINTED, EXCEPT GUMMED
22411	LABELS, WOVEN, NARROW FABRIC
38112	LABORATORY AND SCIENTIFIC INSTRUMENTS
38113	LABORATORY FURNITURE
23392	LABORATORY JACKETS, WOMEN'S, MISSES', AND JUNIORS' WASHABLE
38113	LABORATORY PRECISION BALANCES
22411	LACE, AUTO WIND
22920	LACE GOODS
22920	LACE, LEVERS MACHINE PRODUCTS--INCLUDING ALLOVER, EDGING, INSERTIONS, GALLONS, FLOUNCINGS
22920	LACE-NOTTINGHAM MACHINE PRODUCTS INCLUDING CURTAINS
35521	LACE TEXTILE FABRIC MACHINERY
22414	LACES, BRAIDED, BOOT, SHOE, CORSET, ETC., NOT LEATHER
34790	LACQUERING OF METAL
28517	LACQUERS, INDUSTRIAL
28515	LACQUERS, TRADE SALES, CLEAR AND PIGMENTED
28185	LACTIC ACID
24262	LADDER PARTS AND STOCK DIMENSION, HARDWOOD, INDUSTRIAL
34990	LADDERS, METAL, STEP AND RUNG (PORTABLE)
24995	LADDERS, WOODEN
20515	LADY FINGERS (PASTRY) NOT FROZEN
28153	LAKES, SYNTHETIC ORGANIC, PIGMENTS
31113	LAMB LEATHER, FINISHED
20113	LAMB, NOT CANNED OR MADE INTO SAUSAGE
26415	LAMINATED AND COATED FILMS AND PAPERS, EXCEPT POLYETHYLENE AND FOIL
26416	LAMINATED OR COATED ROLLS AND SHEETS, PLAIN OR PRINTED: POLYETHYLENE LAMINATED OR COATED TO MATERIALS OTHER THAN FOIL
24324	LAMINATED PANELS, PLYWOOD TYPE FROM PURCHASED PLYWOOD
30793	LAMINATED SHEETS, RODS, TUBES MADE OF PLASTICS
32113	LAMINATED GLASS, INCLUDING SAFETY GLASS, FROM GLASS PRODUCED IN SAME ESTABLISHMENT
32313	LAMINATED GLASS, INCLUDING SAFETY GLASS, FROM PURCHASED GLASS
22953	LAMINATED FABRICS
26415	LAMINATED OR COATED WRAPPERS, EXCEPT WAXED
26452	LAMINATED PAPERBOARD
26495	LAMINATED WALLBOARD, PAPER
24331	LAMINATES, WOOD FOR FABRICATED BUILDING
32690	LAMP BASES, POTTERY
28163	LAMP BLACK PIGMENT
36992	LAMP BULB COMPONENTS, EXCEPT GLASS BLANKS
36430	LAMP BULB HOLDERS, EXCEPT AUTO
36410	LAMP BULBS, ELECTRIC, INCLUDING SEALED BEAM LAMPS
36421	LAMP FIXTURES ELECTRIC RESIDENTIAL, EXCEPT PORTABLE (EXCEPT PARTS, ACCESSORIES, AND BULBS)
39995	LAMPSHADES
36930	LAMPS, X-RAY
36213	LAND TRANSPORTATION MOTORS, GENERATORS, AND CONTROL EQUIPMENT AND PARTS
37291	LANDING GEARS FOR AIRCRAFT
20943	LANOLIN, REFINED
36426	LANTERNS
24994	LAGS, CORK
34521	LAGSCREWS, FERROUS AND NONFERROUS
39130	LAPIDARY WORK AND DIAMOND CUTTING AND POLISHING
20115	LARD (EXCEPT SHORTENING) MADE IN MEATPACKING PLANTS
24262	LAST BLOCKS, ROUGH TURNED, DIMENSION STOCKS, HARDWOOD
24995	LAST SOLE PATTERNS, REGARDLESS OF MATERIAL
24995	LASTS FOR BOOTS AND SHOES, WOOD OR METAL (INCLUDING REMOLDED LASTS)
30693	LATEX FOAM RUBBER, FOR AUTOMOTIVE, UPHOLSTERY, MATTRESSES, PILLOWS, CARPET AND RUG CUSHIONS, PADDING, ETC.
34493	LATH, METAL, EXPANDED
24218	LATH WOOD, STOCK SNOW FENCE
35532	LATHES, HOME WORKSHOPS, GARAGES, SERVICE SHOPS FOR WOODWORKING
35415	LATHES, METAL-CUTTING TYPE, FOR FACTORIES
35418	LATHES, METAL-CUTTING TYPE, FOR HOME WORKSHOP, GARAGES, ETC.
35531	LATHES, WOODWORKING MACHINERY, EXCEPT FOR HOME USE
23920	LAUNDRY BAGS, MADE FROM PURCHASED FABRIC
35820	LAUNDRY EXTRACTORS, IRONERS, PRESSES, COMMERCIAL
36332	LAUNDRY EQUIPMENT, HOUSEHOLD, OTHER THAN MECHANICAL WASHING MACHINES, DRYERS, AND WASHER-DRYER COMBINATIONS
35820	LAUNDRY MACHINERY AND EQUIPMENT, COMMERCIAL
28423	LAUNDRY STARCH PREPARATIONS
34334	LAUNDRY STOVES, DOMESTIC
34310	LAUNDRY TRAYS, ENAMELED IRON AND STEEL
34320	LAUNDRY-TRAY FAUCETS
32610	LAUNDRY TRAYS, VITREOUS CHINA AND GLAZED EARTHENWARE
28183	LAURIC ACID
28182	LAURYL PEROXIDE ACYCLIC
34310	LAVATORIES, ENAMELED IRON OR STEEL
32610	LAVATORIES, VITREOUS CHINA, AND GLAZED EARTHENWARE
34320	LAVATORY FITTINGS BRASS GOODS
27313	LAW BOOKS
35227	LAWN EDGERS
22115	LAWN, FINE COTTON, COMBED, PART COMBED AND FINE CARDED (GRAY GOODS)
25143	LAWN FURNITURE, METAL
25117	LAWN FURNITURE, WOOD
35227	LAWNMOWERS INCLUDING HAND POWER (REEL OR ROTARY) AND GANG-CUTTING UNITS
35227	LAWN SWEEPERS
28345	LAXATIVES, STOMACH, ULCER PREPARATIONS FOR HUMAN USE
33323	LEAD ALLOYED AND UNALLOYED-REFINED PRIMARY
33323	LEAD AND TIN-BASE ALLOYS, ANTIMONIAL BABBITT, SOLDER, TYPE METAL-REFINED PRIMARY
33413	LEAD AND TIN-BASE ALLOYS, SECONDARY REFINING, ANTIMONIAL, BABBITT, SOLDER AND TYPE, METAL
28199	LEAD COMPOUNDS, INORGANIC CHEMICALS
33574	LEAD-COVERED TELEPHONE AND TELEGRAPH CABLE, PRODUCED IN A WIREDRAWING PLANT
33413	LEAD, INGOT, SHOT, SECONDARY SMELTING AND REFINING
33321	LEAD, MATTE, SPEISS AND BASE BULLION, PRIMARY SMELTED
39521	LEAD PENCILS, CRAYONS, AND CHALK
33323	LEAD, PIG, INGOT, SHOT, REFINED PRIMARY METAL
33560	LEAD, PIPE TUBING, TRAPS AND BENDS, ROLLED, DRAWN OR EXTRUDED NONFERROUS METAL MILL
33323	LEAD, REFINED, PRIMARY
33413	LEAD, SMELTING OR REFINING, SECONDARY
33321	LEAD SMELTER PRODUCTS, PRIMARY
33413	LEAD, UNALLOYED, SECONDARY REFINERS
32316	LEADED GLASS, MADE OF PURCHASED GLASS
34970	LEAF FOIL GOLD, OR COLORED ALUMINUM
34930	LEAF SPRINGS, AUTO, FARM, AND OTHER HEAVY EQUIPMENT MADE OF STEEL
20332	LEAFY GREENS, CANNED
22952	LEATHER, ARTIFICIAL, EXCEPT PAPER
31111	LEATHER, BELTING AND MECHANICAL, FINISHED CATTLE HIDE
31210	LEATHER BELTING AND PACKING, INDUSTRIAL
31114	LEATHER, CABRETTA, FINISHED
31111	LEATHER, CATTLE HIDE AND KIP SIDE LEATHERS, FINISHED
23860	LEATHER CLOTHING
28424	LEATHER DRESSINGS AND FINISHINGS INCLUDING BLACKINGS AND STAINS, EXCLUDING SHOE POLISH
31114	LEATHER, FINISHED FROM GOATS, KID, HORSE, COLT, MULE, ASS, PONY, PIG, HOG
32932	LEATHER GASKETS
31510	LEATHER GLOVES AND MITTENS, WORK AND DRESS, MEN, WOMEN, AND CHILDREN
31114	LEATHER, GOAT AND KID, FINISHED
31990	LEATHER NOVELTIES
31720	LEATHER PERSONAL GOODS, INCLUDING KEY, CIGARETTE, EYEGLASS, PASS CARD, AND VANITY CASES, TOBACCO POUCHES AND COSMETIC BAGS
31115	LEATHER, ROUGH RUSSET AND CRUST, NOT FINISHED IN THIS ESTABLISHMENT
31113	LEATHER, SHEEP AND LAMB, FINISHED FOR SHOES AND GARMENTS
31119	LEATHER TANNING AND FINISHING CONTRACT AND COMMISSION WORK ONLY
31111	LEATHER, UPHOLSTERY FINISHED CATTLE HIDE
35595	LEATHER WORKING MACHINERY
20994	LEAVENING COMPOUNDS--BAKING POWDER, YEAST AND YEAST PRODUCTS
20922	LECITHIN, FROM SOYBEANS
25312	LECTERNS, CHURCH FURNITURE
26216	LEDGER PAPER
27821	LEDGERS BLANKBOOK MAKING
27514	LEGAL PRINTING BY LETTERPRESS
23630	LEGGING AND COAT SETS, GIRLS', CHILDREN'S, AND INFANTS'
23639	LEGGING AND COAT SETS, GIRLS', CHILDREN'S, AND INFANTS' (CONTRACT RECEIPTS)
23630	LEGGINGS, SEPARATE, GIRLS' SKI AND SNOW
23690	LEGGINGS, SEPARATE INFANTS', MADE FROM PURCHASED KNIT FABRIC
23292	LEGGINGS, SEPARATE, MEN'S AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23393	LEGGINGS, SEPARATE, WOMEN'S AND MISSES'
38512	LENS BLANKS, OPHTHALMIC
32316	LENSES, BLANKS, OPHTHALMIC, OPTICAL, SUN GLASSES AND EYE PROTECTION LENSES, FROM PURCHASED GLASS
32294	LENSES (NONPRESCRIPTION BLANKS) OPHTHALMIC, OPTICAL, SUNGLASSES AND EYE PROTECTIVE LENSES, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	LENSES (NONPRESCRIPTION), SUN GLASSES, AUTOMOTIVE AND SEARCHLIGHT FROM PURCHASED GLASS
38311	LENSES OPTICAL, PHOTOGRAPHIC MAGNIFYING, PROJECTION AND INSTRUMENT
38311	LENSES, PHOTOGRAPHIC AND PROJECTION
32294	LENSES, SEARCHLIGHT AUTOMOTIVE AND LANTERN--FROM GLASS PRODUCED IN SAME ESTABLISHMENT
23690	LEOTARDS, GIRLS' AND INFANTS', MADE FROM PURCHASED KNIT FABRICS
23393	LEOTARDS, WOMEN'S AND MISSES', MADE FROM PURCHASED KNIT FABRIC
35791	LETTER FOLDING, STUFFING AND SEALING MACHINES
35551	LETTERPRESS PRINTING PRESSES
35453	LEVELS, TOOLROOM
27891	LIBRARY BOOKS BINDING, HARD COVER
25112	LIBRARY FURNITURE, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED

Code	Product
25312	LIBRARY (PUBLIC) FURNITURE, ALL TYPES
26451	LIDS, PAPER AND PAPERBOARD, DIE-CUT
37323	LIFE BOATS
24994	LIFE PRESERVERS, CORK, AND CORK BLOCK
30695	LIFE RAFTS, BOATS, PONTOONS OF RUBBER
35370	LIFTS, HAND
35333	LIFTING MACHINERY ROD AND RODLESS FOR OILFIELD AND GASFIELD PRODUCTION
36625	LIGHT RECONNAISSANCE AND SURVEILLANCE ELECTRONIC SYSTEMS AND EQUIPMENT
36730	LIGHT SENSING AND EMITTING TUBE ELECTRONIC
36749	LIGHT SENSITIVE SEMICONDUCTOR DIODES
28993	LIGHTER FLUIDS, CIGARETTE, CHARCOAL
32292	LIGHTING AND ELECTRONIC GLASSWARE FROM GLASS PRODUCED IN THIS ESTABLISHMENT
32316	LIGHTING, ELECTRONIC GLASSWARE, FROM PURCHASED MATERIALS
36424	LIGHTING EQUIPMENT, ELECTRIC, VEHICULAR, EXCEPT BULBS (EXCEPT PARTS AND ACCESSORIES)
36425	LIGHTING EQUIPMENT, FLOODLIGHTS AND AREA LIGHTING (EXCEPT PARTS, ACCESSORIES, AND BULBS)
36426	LIGHTING EQUIPMENT, NONELECTRIC
36426	LIGHTING EQUIPMENT PARTS AND ACCESSORIES ONLY
36422	LIGHTING FIXTURES, COMMERCIAL (EXCEPT PARTS, ACCESSORIES, AND BULBS) ACCESSORIES)
36423	LIGHTING FIXTURES, ELECTRIC INDUSTRIAL, (EXCEPT PARTS, ATTACHMENTS, AND BULBS)
36421	LIGHTING FIXTURES, ELECTRIC, RESIDENTIAL EXCEPT PORTABLE (EXCEPT PARTS, ACCESSORIES, AND BULBS)
36992	LIGHTING OUTFITS, CHRISTMAS TREE
36121	LIGHTING TRANSFORMERS
36430	LIGHTNING ARRESTERS
36430	LIGHTNING RODS
20332	LIMA BEANS, FRESH, CANNED
32740	LIME, INCLUDING HYDRATED, QUICKLIME ETC.
32410	LIME, ''SLAG''
28123	LIME SODA, PROCESS, SODIUM HYDROXIDE
32812	LIMESTONE, CUT, DRESSED DIMENSION FOR BUILDING
32812	LIMESTONE, CUT, PRODUCTS, SUCH AS FLAGGING
32950	LIMESTONE, PULVERIZED
19990	LINE THROWING GUNS AND PARTS
26452	LINED PAPERBOARD
22213	LINEN FLAKES, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22992	LINEN GOODS
22213	LINEN TYPE, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
26314	LINERBOARD, COMBINATION PAPERBOARD, SHIPPING CONTAINERBOARD
26432	LINERS AND BAGS, PAPER, POLYETHYLENE, CELLOPHANE OR FOIL
26311	LINERS, PAPERBOARD, CONTAINER, UNBLEACHED KRAFT
28346	LINIMENTS, PHARMACEUTICAL PREPARATION FOR HUMAN USE
22562	LINING, FOOTWEAR, CIRCULAR KNIT FABRIC, A KNIT FABRIC MILL PRODUCT
31111	LINING LEATHER FINISHED CATTLE HIDE
22910	LININGS, FELT FOR CARPET, RUG, ETC., PRESSED, PUNCHED, OR NEEDLED
23961	LININGS, HAT, MEN'S AND BOYS', MADE FOR SALE AS SUCH
23961	LININGS, GLOVE, FUR--APPAREL FINDINGS MADE FOR SALE AS SUCH
39961	LINOLEUM, FLOOR COVERING
39961	LINOLEUM, SHEET OR TILE
20933	LINSEED CAKE AND MEAL
20931	LINSEED OIL, CRUDE OR PROCESSED
20913	LINTERS, COTTON
28445	LIP PREPARATIONS
28445	LIPSTICK
29116	LIQUEFIED PETROLEUM GASES MADE IN REFINERIES
20853	LIQUEURS--BOTTLED LIQUORS
28192	LIQUID LIME BLEACHES
20620	LIQUID SUGAR OR SUGAR SIRUP CANE
20853	LIQUORS, BOTTLED
20851	LIQUORS, DISTILLED, EXCEPT BRANDY
20820	LIQUORS, MALT
35224	LISTERS, FARM MACHINERY, AND ATTACHMENTS
27527	LITHOGRAPHIC PLATES MADE FOR OTHERS
35551	LITHOGRAPHIC PRINTING PRESSES
35552	LITHOGRAPHING AND PHOTOENGRAVING PLATEMAKING EQUIPMENT, EXCEPT CAMERAS
28162	LITHOPONE PIGMENT
20117	LIVERWURST, NOT CANNED, MADE IN MEATPACKING PLANT
20137	LIVERWURST, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20422	LIVESTOCK FEED, PREPARED COMPLETE, SUPPLEMENTS AND CONCENTRATES
20942	LIVESTOCK REFUSE FOR FERTILIZERS, WET OR DRY
34492	LIVESTOCK SHELTERS, METAL PREFABRICATED COMPLETE UNITS
24332	LIVESTOCK SHELTERS, WOOD, PREFABRICATED SOLD AS COMPLETE UNITS, INCLUDES THOSE SHIPPED IN SECTIONS OR PANELS
25144	LIVING ROOM FURNITURE, METAL, UPHOLSTERED
25112	LIVING ROOM FURNITURE, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
35321	LIVING ROOM FURNITURE, WOOD, UPHOLSTERED
35321	LOADERS FOR UNDERGROUND MINING
35317	LOADERS, TRACTOR-SHOVEL INTEGRAL
34521	LOCK WASHERS
26412	LOCKER WAXED AND WAXED-LAMINATED PAPER, INCLUDING FREEZER PAPER
34920	LOCKERS BANK SECURITY
25420	LOCKERS, METAL
25410	LOCKERS, WOOD
39112	LOCKETS OF PRECIOUS METALS EXCEPT PLATINUM AND CARAT GOLD
39111	LOCKETS, MADE OF PLATINUM AND CARAT GOLD
34294	LOCKING DEVICES, BUILDERS' HARDWARE
34521	LOCKNUTS, FERROUS AND NONFERROUS
37412	LOCOMOTIVES, NEW AND REBUILT, INDUSTRIAL AND MINING TYPE
37411	LOCOMOTIVES, NEW AND REBUILT, RAILROAD SERVICE AND SWITCHING TYPE
37413	LOCOMOTIVES PARTS, FOR SALE SEPARATELY
35318	LOGGING ARCHES CONSTRUCTION MACHINERY FOR MOUNTING ON TRACTORS
24119	LOGGING, CONTRACT RECEIPTS
24110	LOGS, PULPWOOD
35521	LOOMS, POWER AND HAND, TEXTILE
27822	LOOSELEAF BINDERS AND DEVISES
26491	LOOSELEAF FILLER AND WRAPPED REAM PAPER
27822	LOOSELEAF INDEXES
27822	LOOSELEAF FORMS AND FILLERS
27822	LOOSELEAF PARTS SOLD SEPARATELY
36624	LORAN EQUIPMENT (NAVIGATIONAL)

Code	Product
28441	LOTIONS, AFTERSHAVE
28445	LOTIONS, EXCEPT HAIR AND AFTERSHAVE
28443	LOTIONS, HAIR PREPARATIONS
36515	LOUDSPEAKERS AND SPEAKERS SYSTEMS
23413	LOUNGING PAJAMAS, WOMEN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
24315	LOUVER AND SUMMER DOORS, WOOD
25121	LOVESEATS, UPHOLSTERED WOOD
25112	LOVESEATS, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
28344	LOZENGES, FOR COUGH
35690	LUBRICATING DEVICES, INDUSTRIAL
29920	LUBRICATING GREASES MADE FROM PURCHASED MATERIAL
29117	LUBRICATING GREASES MADE IN REFINERIES
28181	LUBRICATING OIL ADDITIVES, CYCLIC
29118	LUBRICATING OIL BASE STOCK
35860	LUBRICATING, OIL PUMPS AND OUTFITS
29920	LUBRICATING OILS MADE FROM PURCHASED MATERIALS
29117	LUBRICATING OILS MADE IN REFINERIES
34291	LUGGAGE CARRIERS, HARDWARE
22116	LUGGAGE FABRICS, COTTON (GRAY GOODS)
31610	LUGGAGE, LEATHER
31610	LUGGAGE, MEN AND WOMEN'S HAND, OVERNIGHT, WEEKEND, TRAIN CASES, PULLMAN, HAT AND SHOE AND WARDROBE
24212	LUMBER, DRESSED, INCLUDING CEILING, FRAMING, PARTITION, SIDING, SHIPLAPPED, MADE IN A SAWMILL AND PLANING MILL
23291	LUMBER JACKETS, MEN'S AND BOYS'
24211	LUMBER, ROUGH, SAWED IN A SAWMILL
24911	LUMBER, SAWN, WOOD OWNED AND TREATED BY THIS ESTABLISHMENT
36121	LUMINOUS TUBE TRANSFORMERS FOR HOT AND COLD OPERATION
20117	LUNCHEON MEATS, NOT CANNED, MADE IN MEATPACKING PLANT
20137	LUNCHEON MEATS, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20980	MACARONI AND MACARONI PRODUCTS, EXCEPT CANNED, INCLUDING ALL SHAPES, SIZES, AND TYPES
20324	MACARONI AND SPAGHETTI DINNERS MADE FROM PURCHASED NOODLE PRODUCTS
34232	MACHETES
34990	MACHINE BASES, METAL
39120	MACHINE CHAIN, JEWELERS'
28411	MACHINE DISHWASHING COMPOUNDS, LIQUID OR SOLID, BULK
19512	MACHINE GUN BELTS, METALLIC, 30 MM. (OR 1.18 INCHES AND UNDER)
19511	MACHINE GUNS, 30 MM. (1.18 INCHES) AND UNDER
22811	MACHINE-KNITTING YARNS, CARDED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
22812	MACHINE-KNITTING YARNS, COMBED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
22823	MACHINE-KNITTING YARNS, THROWN FILAMENT YARN
22831	MACHINE-KNITTING YARNS, WOOL, EXCEPT CARPET, FINISHED IN A YARN MILL
22311	MACHINE-KNITTING YARNS, WOOL, NOT COMBED OR SPUN AT THIS ESTABLISHMENT, FINISHED IN A BROADWOVEN FABRIC MILL
34232	MACHINE KNIVES, EXCEPT METAL-CUTTING
35993	MACHINE SHOP JOB WORK
26451	MACHINE TABULATION CARDS
36121	MACHINE TOOL CONTROL TRANSFORMERS
35419	MACHINE TOOLS, REBUILT METAL-CUTTING TYPE
35333	MACHINERY AND EQUIPMENT FOR OIL AND GAS FIELD PRODUCTION, INCLUDING PACKERS, SCREENS, TUBING, AND CATCHERS
35223	MACHINERY FOR PLANTING, SEEDING, FERTILIZING
34522	MACHINERY HEADED PRODUCTS, NONSTANDARD
35690	MACHINERY, INDUSTRIAL, FOR FILLING, CAPPING, CLOSING AND SEALING EXCEPT FOR FOOD, BEVERAGE AND DAIRY PRODUCTS
35321	MACHINERY, MINING, CONTINUOUS BORER AND RIPPING TYPE
35228	MACHINES, FARM DAIRY, INCLUDING ATTACHMENTS
35228	MACHINES FOR PREPARING FARM CROPS FOR MARKET INCLUDING ATTACHMENTS
35452	MACHINISTS' PRECISION TOOLS FOR MEASURING
20310	MACKEREL, INCLUDING JACK MACKEREL, CANNED, EXCEPT FROZEN
23291	MACKINAWS, MEN'S AND BOYS'
27217	MAGAZINE AND COMIC SUPPLEMENT FOR SUNDAY NEWSPAPERS, ADVERTISING SUBSCRIPTION AND SINGLE COPY SALES
27511	MAGAZINE AND PERIODICAL PRINTING BY LETTERPRESS
27215	MAGAZINE, ENTERTAINMENT AND GENERAL INTEREST, SUBSCRIPTION AND SINGLE COPY
27517	MAGAZINE PRINTING BY GRAVURE
27521	MAGAZINE PRINTING BY LITHOGRAPH
25112	MAGAZINE RACKS, WOODEN, PAINTED OR FINISHED
27211	MAGAZINES, FARM, SUBSCRIPTION AND SINGLE COPY SALES
19512	MAGAZINES, GUN, 30 MM. (OR 1.18 INCHES) AND UNDER
27213	MAGAZINES, INDUSTRIAL, ENGINEERING AND TECHNICAL, SUBSCRIPTION AND SINGLE COPY SALES
27213	MAGAZINES, MERCHANDISING, SUBSCRIPTION AND SINGLE COPY SALES
27215	MAGAZINES, WOMEN AND HOME SERVICE, SUBSCRIPTION AND SINGLE COPY SALES
32950	MAGNESIA AND MAGNESITE, DEAD-BURNED
32990	MAGNESITE FLOOR COMPOSITION
33920	MAGNESIUM AND MAGNESIUM-BASE ALLOY FORGINGS
28199	MAGNESIUM COMPOUNDS, INORGANIC CHEMICALS
33560	MAGNESIUM, EXTRUDED SHAPES, INCLUDING ROD AND BAR, SHEET AND PLATE, NONFERROUS METAL MILL
33397	MAGNESIUM, PRIMARY SMELTING
33416	MAGNESIUM, SECONDARY REFINING AND SMELTING
33577	MAGNET WIRE
36220	MAGNETIC BRAKES, INDUSTRY
36730	MAGNETRON, TUBE
34990	MAGNETS, PERMANENT, FABRICATED METAL PRODUCT
23392	MAIDS' WASHABLE SERVICE APPAREL
35791	MAILING MACHINES
33220	MALLEABLE IRON CASTINGS
20830	MALT (ALL TYPES, INCLUDING BARLEY, RYE, WHEAT, ETC.) AND MALT BYPRODUCTS
20820	MALT BEVERAGES, BULK TRANSFERS TO OTHER ESTABLISHMENTS OF SAME COMPANY
20820	MALT EXTRACT, LIQUORS AND BREWING BYPRODUCTS
20820	MALT LIQUORS
20830	MALT SPROUTS (DRY WEIGHT EQUIVALENT, SCREENING, CHAFF AND SKIMMING)
20231	MALTED MILK POWDER
28331	MALTOSE, SYNTHETIC, BULK
35340	MAN LIFTS, ELEVATORS
34211	MANICURE AND PEDICURE SCISSORS AND IMPLEMENTS
28445	MANICURING PREPARATIONS
27612	MANIFOLD BUSINESS FORMS, UNIT SET, STOCK INCLUDING IMPRINTING, INDIVIDUAL ORDER, OR TABULATING CARD SETS

Code	Product
26216	MANIFOLD PAPER
22218	MANMADE FIBER AND SILK FINISHED GOODS, MADE IN BROADWOVEN FABRIC MILLS
22628	MANMADE FIBER AND SILK, FINISHING OF, FROM BROADWOVEN PURCHASED MATERIAL
22414	MANMADE FIBER FABRICS, NARROW, BRAIDED
22411	MANMADE FIBER FABRICS, NARROW, WOVEN
24317	MANTELS, WOOD, TO BE BUILT IN PER CUSTOM SPECIFICATIONS
27311	MANUALS, TEXTBOOKS, PRINTED AND PUBLISHED
20999	MAPLE SIRUP, PURE
27413	MAPS, HYDROGRAPHIC, CHARTS, ATLASES, PUBLISHING
27526	MAPS, INCLUDING ROAD AND STRIP, PRINTED BY LITHOGRAPHY
27516	MAPS PRINTED BY LETTERPRESS INCLUDING ROADMAPS AND STRIP MAPS
20338	MARASCHINO CHERRIES
32813	MARBLE, CUT, MONUMENTAL
32813	MARBLE, CUT, PRODUCTS
20962	MARGARINE
20943	MARINE AND ANIMAL OIL PRODUCTS, INCLUDING FOOTS, EXCEPT FATTY ACIDS, GREASE AND TALLOW
36426	MARINE BEACONS
34433	MARINE BOILERS, STEEL (OVER 15 P.S.I. STEAM WORKING PRESSURE)
35663	MARINE GEAR TRANSMISSION, MECHANICAL POWER-TRANSMISSION EQUIPMENT
34291	MARINE HARDWARE
24331	MARINE LAMINATES, WOOD
20943	MARINE OIL AND OIL MILL PRODUCTS
28511	MARINE PAINTS AND ENAMELS (SHELF GOODS), EXTERIOR OIL-TYPE
28516	MARINE PAINTS, SHIP BOTTOM AND OTHER SPECIALLY FORMULATED PAINTS
35112	MARINE TURBINES, STEAM DRIVEN MECHANICAL OR TURBINE-GEAR UNITS
27526	MARKET CIRCULARS AND SHOPPING NEWS PRINTED BY LITHOGRAPHIC PROCESS
39912	MARKING AND STENCILLING BRUSHES
20338	MARMALADE
22211	MARQUISETTES, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22115	MARQUISETTES, FINE COTTON GOODS (GRAY GOODS)
22212	MARQUISETTES, NYLON AND CHIEFLY NYLON (GRAY GOODS), 100% FILAMENT
28445	MASCARA AND EYE SHADOW
38423	MASKS, GAS, ABRASIVE AND CANISTER
23890	MASKS, TEXTILE
28512	MASONRY WATER EMULSION PAINTS AND TINTING BASES
23890	MASQUERADE COSTUMES
29523	MASTIC CORE TYPE ASPHALT BOARD
24212	MATCHED LUMBER, DRESSED, MADE IN A SAWMILL AND PLANING MILL
39993	MATCHES, ALL TYPES (WOODEN STEM, PAPER STEM, BOXES, ETC.)
23422	MATERNITY CORSETS AND COMBINATIONS
27940	MATRIX, ELECTROTYPING AND STEREOTYPING PLATES FOR LETTERPRESS
26219	MATRIX PAPER AND BOARD, SPECIAL INDUSTRIAL PAPER
22790	MATS AND MATTINGS (NOT LACE), MADE IN TEXTILE MILLS
30694	MATS AND MATTING, RUBBER
24994	MATS, CORK, AS NEWSPAPER, ETC.
22920	MATS, LACE
23920	MATS, TABLE, EXCEPT LACE, MADE FROM PURCHASED FABRIC
32293	MATS, TEXTILE TYPE GLASS FIBER
30792	MATTRESS CORES, FOAMED PLASTICS
30693	MATTRESS CORES, LATEX FOAM RUBBER
25152	MATTRESS, COTTON, FELT, HAIR, RUBBER OR LATEX CORE, OTHER THAN INNERSPRING
22930	MATTRESS FELTS, MADE FROM COTTON, RAW OR WASTE, AND MANMADE FIBERS
25151	MATTRESSES, INNERSPRING, EXCEPT CRIB AND BABY
23920	MATTRESS PROTECTORS, MADE FROM PURCHASED FABRIC
34233	MAULS
20354	MAYONNAISE
20424	MEAL, ALFALA SUN CURED AND DEHYDRATED
20933	MEAL AND CAKE, MADE FROM ANY VEGETABLE OIL EXCEPT COTTONSEED AND SOYBEAN
20413	MEAL, CORN (FOR HUMAN AND ANIMAL USE)
20460	MEAL, CORN OIL
20942	MEAL, MEAT AND BONE, DRIED BLOOD AND FEATHER MEAL
35452	MEASURING TOOLS, PRECISION
35513	MEAT AND POULTRY PACKING MACHINERY, INCLUDING PARTS AND ATTACHMENTS
22562	MEAT BAGGING AND STOCKINETTE CIRCULAR KNIT FABRICS, KNIT AND FINISHED IN KNIT FABRIC MILL
20373	MEAT, FROZEN
20117	MEAT GOODS, JELLIED, NOT CANNED, MADE IN MEATPACKING PLANT
20137	MEAT GOODS, JELLIED, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20117	MEAT LOAVES, NOT CANNED, MADE IN MEATPACKING PLANT
20137	MEAT LOAVES, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20137	MEAT, LUNCHEON, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20942	MEAT MEAL
20373	MEAT PIES, FROZEN
20139	MEAT, PROCESSED, NOT CANNED, NOT MADE IN MEATPACKING PLANT, OTHER THAN PORK, SAUSAGE OR CANNED MEAT
20117	MEAT PUDDINGS, NOT CANNED, MADE IN MEATPACKING PLANT
20137	MEAT PUDDINGS, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20353	MEAT SAUCES, EXCEPT TOMATO
20942	MEAT SCRAPS, FOR FEED OR FERTILIZER
20110	MEAT SCRAPS, NOT FOR FEED OR FERTILIZER
20999	MEAT SEASONING
20118	MEATS, CANNED (EXCEPT DOG AND CAT FOOD) CANNED IN MEATPACKING PLANT (PRODUCTS CONTAINING 20% OR MORE MEAT)
20138	MEATS, CANNED (EXCEPT DOG AND CAT FOOD) NOT CANNED IN MEATPACKING PLANT (PRODUCTS CONTAINING 20% OR MORE MEAT)
20110	MEATS, FRESH, OTHER THAN BEEF, VEAL, PORK, LAMB, OR MUTTON, EXCEPT POULTRY, RABBITS, AND OTHER SMALL GAME
20117	MEATS, LUNCHEON, NOT CANNED, MADE IN MEATPACKING PLANT
20111	MEATS, VARIETY, BEEF (HEART, LIVER, KIDNEY, ETC.), NOT CANNED OR MADE INTO SAUSAGE
34231	MECHANICAL AUTOMOBILE JACKS
27892	MECHANICAL BINDING OF BOOKS AND PAMPHLETS (WIRE, PLASTIC, ETC.) OF PRODUCTS PRINTED ELSEWHERE
39510	MECHANICAL PENCILS AND PENS
34812	MECHANICAL PRECISION SPRINGS
30695	MECHANICAL RUBBER GOODS, HARD RUBBER, BATTERY JARS AND BOXES
34336	MECHANICAL STOKERS AND PARTS, ATTACHMENTS AND ACCESSORIES
34231	MECHANICS' HAND SERVICE TOOLS
28413	MECHANICS' HAND SOAPS, ALL TYPES EXCEPT WATERLESS
28412	MECHANICS' HAND SOAPS, PASTE OR BAR, EXCEPT WATERLESS, BULK
27313	MEDICAL BOOKS, INCLUDING DENTAL AND NURSING
30697	MEDICAL, DENTAL AND SURGICAL RUBBER PRODUCTS
28413	MEDICATED SOAPS, BARS, LIQUID AND PASTE, HOUSEHOLD
28332	MEDICINAL AND BOTANICAL DRUGS, BULK
24317	MEDICINE CABINETS, TO BE BUILT-IN PER CUSTOM SPECIFICATIONS
25144	MEDICINE WALL CABINETS, METAL
20521	MELBA TOAST
20240	MELLORINE AND SIMILAR FROZEN DESSERTS CONTAINING FATS OTHER THAN BUTTER FAT
28214	MELOMINE RESINS
23291	MELTON JACKETS, MEN'S AND BOYS'
31411	MEN'S DRESS SHOES
22522	MEN'S FINISHED SEAMLESS HOSIERY, HALF-HOSE, SLACK HOSE, ATHLETIC AND CREW SOCKS
22524	MEN'S HOSIERY, ALL TYPES, SHIPPED IN THE GREIGE
23112	MEN'S OVERCOATS AND TOPCOATS, INCLUDING UNIFORM
23111	MEN'S TAILORED UNIFORM SUITS, INCLUDING MILITARY, GUARDS', BAND, POLICE, FIRE, ETC. (EXCEPT WORK TYPES)
31412	MEN'S WORK SHOES
27213	MERCHANDISING MAGAZINES, SUBSCRIPTION AND SINGLE COPY SALES
28199	MERCURY, REDISTILLED
36121	MERCURY VAPOR LAMP BALLASTS
35992	MERRY-GO-ROUNDS
33159	MESH, WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCING, MADE IN WIREDRAWING PLANT
34819	MESH-WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCING, NOT MADE BY WIREDRAWERS
32914	METAL ABRASIVES
34912	METAL BARRELS AND DRUMS, STEEL SHIPPING
34492	METAL BUILDINGS, PREFABRICATED AND PORTABLE, COMPLETE UNITS
25223	METAL CABINETS, OFFICE FILING EQUIPMENT
34110	METAL CANS
34616	METAL CAPS, CLOSURES FOR PLASTIC CONTAINERS, VIALS AND TUBES
28411	METAL CLEANERS, CONTAINING ACID WETTING AGENT OR INORGANIC FILLERS, BULK
35595	METAL CLEANING, DEGREASING, FINISHING AND DRYING MACHINERY AND EQUIPMENT
34424	METAL COMBINATION SCREEN AND STORM SASH AND DOORS
34616	METAL COMMERCIAL CLOSURES, EXCEPT CROWNS
34913	METAL CONTAINERS FOR SHIPPING FLUID MILK, INCLUDING PARTS
34617	METAL CROWNS FOR GLASS AND METAL CONTAINERS
34421	METAL DOOR FRAMES, INCLUDING TRIM SOLD AS INTEGRAL PART OF DOOR FRAME (EXCLUDE STORM DOORS)
34945	METAL FITTINGS AND UNIONS FOR PIPING SYSTEMS
34970	METAL FOIL AND LEAF, EXCLUDING PLAIN ALUMINUM FOIL
25144	METAL FOLDING TRAY TABLES
33920	METAL FORGINGS, NONFERROUS
35424	METAL-FORMING MACHINERY, PARTS AND ATTACHMENTS ONLY
35424	METAL-FORMING MACHINERY, REBUILT ONLY
32932	METAL GASKETS
34523	METAL HEADED PRODUCTS, OTHER THAN INDUSTRIAL FASTENERS
25141	METAL HOUSEHOLD DINING, DINETTE, AND BREAKFAST FURNITURE
34411	METAL (IRON, STEEL, ALUMINUM) FABRICATED STRUCTURAL, FOR BUILDINGS ONLY
34990	METAL IRONING BOARDS
34990	METAL LADDERS, STEP AND RUNG (PORTABLE)
34423	METAL MOLDING AND TRIM, AND STORE FRONTS
25223	METAL OFFICE CABINETS AND CASES
25221	METAL OFFICE CHAIRS, STOOLS, COUCHES, ETC., INCLUDING UPHOLSTERED
25222	METAL OFFICE DESKS
32014	METAL PADS WITH CLEANER IMPREGNATED
25420	METAL PARTITIONS, SHELVING, AND LOCKERS
34493	METAL PLASTER BASES, BUILDING MATERIALS
34310	METAL PLUMBING FIXTURES
28424	METAL POLISH
33991	METAL POWDERS AND PASTES, PRIMARY
34441	METAL SIDING FOR BUILDINGS
34990	METAL STRAPPING, FLAT, FABRICATED METAL
28423	METAL STRIPPER AGENTS
34439	METAL TANKS AND VESSELS, CUSTOM FABRICATED AND FIELD ERECTED
34438	METAL TANKS AND VESSELS, CUSTOM FABRICATED AT THE FACTORY
34435	METAL TANKS, PRESSURE, COMPLETE AT FACTORY, STANDARD LINE
34437	METAL TANKS, NONPRESSURE STORAGE, STANDARD
28993	METAL-TREATING COMPOUNDS, NITRIDING, PICKLING, DRAWING AND CUTTING
34943	METAL VALVES, INCLUDING GATES, GLOBES, ANGLES, CHECK, BUTTERFLIES, LUBRICATED PLUGS, COCKS, STOP AND CHECKS AND CROSS FOR PIPING SYSTEMS
34943	METAL VALVES (EXCEPT POWER TRANSFER AND PLUMBING AND HEATING) INCLUDING GATES, GLOBES, ANGLES, BUTTERFLIES, ETC.
34422	METAL WINDOW SASH AND FRAMES, EXCEPT STORM SASH
28511	METALLIC PAINT TRADE SALE
35441	METALWORKING DIE SETS
36626	METEOROLOGICAL EQUIPMENT AND SYSTEMS, ELECTRONIC
38112	METEOROLOGICAL INSTRUMENTS, EXCEPT OPTICAL
32316	METER COVERS, GLASS, FROM PURCHASED GLASS
36111	METER TESTING EQUIPMENT, INTEGRATING INSTRUMENTS, ELECTRICAL
36113	METER TRANSFORMERS, CURRENT AND POTENTIAL
38212	METERS, GAS AND WATER
38212	METERS, INTEGRATING, NONELECTRICAL
38212	METERS, LIQUID
38611	METERS, PHOTOGRAPHIC, EXPOSURE
28182	METHANOL ACETATE, ACYCLIC
28612	METHANOL, METHYL OR WOOD PRODUCT (WOOD ALCOHOL), NATURAL
28183	METHYL
28182	METHYL-ETHYL-KETONE PEROXIDE
28182	METHYLOMINE
32950	MICA, GROUND
32990	MICA PRODUCTS, SHEET
29110	MICROCRYSTALLINE WAX
38615	MICROFILM
38614	MICROFILM READERS AND ENLARGERS
38614	MICROFILMING, BLUEPRINTING, BROWNPRINTING, VANDYKE, WHITEPRINTING EQUIPMENT
38614	MICROFILMING CAMERAS
35452	MICROMETERS, MACHINISTS' PRECISION TOOLS
36515	MICROPHONES, ALL TYPES
38311	MICROSCOPES, EXCEPT CORNEAL
36629	MICROWAVE TELEPHONE COMMUNICATION EQUIPMENT
36112	MICROWAVE TEST EQUIPMENT
20412	MIDDLINGS, WHEAT MILLFEED

Code	Product
23990	MILITARY INSIGNIAS, OF TEXTILE, PURCHASED FABRIC
20264	MILK, ACIDOPHILOUS, PACKAGED IN THIS PLANT
20261	MILK AND CREAM, BULK FLUID
20262	MILK AND CREAM, PACKAGED
20232	MILK AND MILK PRODUCTS, CANNED (SHIPPED IN CONSUMER TYPE PACKAGES)
34616	MILK BOTTLED CLOSURES, ALUMINUM AND TIN MILL PRODUCT
26312	MILK CARTON BOARD, BLEACHED PACKAGING, SOLID WOODPULP FURNISH
20231	MILK, CHOCOLATE, POWDERED
20233	MILK, CONCENTRATED, SHIPPED IN BULK (BARRELS, DRUMS, TANKS)
20231	MILK, CONDENSED (DRY)
20233	MILK, CONDENSED, SHIPPED IN BULK (BARRELS, DRUMS, TANKS)
20232	MILK, CONDENSED (SHIPPED IN CONSUMER TYPE CANS)
35222	MILK COOLERS, NOT MECHANICALLY REFRIGERATED, FARM MACHINERY
20264	MILK DRINKS, FLAVORED, INCLUDING CHOCOLATE, PACKAGED IN THIS PLANT
20233	MILK, EVAPORATED, SHIPPED IN BULK (BARRELS, DRUMS, TANKS)
20210	MILK FAT, ANHYDROUS
20231	MILK, FEED GRADE (DRY MILK, DRY BUTTERMILK, DRY WHEY, ETC.) SHIPPED IN BULK
20231	MILK, FOOD GRADE (BAKERIES, CONFECTIONERS, MEATPACKERS, ETC.) SHIPPED IN BULK AS DRY WHOLE MILK OR DRY SKIM MILK
28345	MILK OF MAGNESIA FOR HUMAN USE
20231	MILK, POWDERED, WHOLE OR WHEY, SKIM, CURD, ETC., INCLUDING MALTED, CHOCOLATE, ETC.
20233	MILK PRODUCTS, CONCENTRATED, SHIPPED IN BULK (BARRELS, DRUMS, TANKS) (OTHER THAN ICE CREAM MIX AND ICE MILK MIX)
20231	MILK PRODUCTS, DRY
20231	MILK, SKIM, DRY
20234	MILKSHAKE MIX, UNFROZEN, MADE IN CONDENSED AND EVAPORATED MILK PLANTS
28513	MILL WHITE PAINTS, INTERIOR, OIL-TYPE, TRADE SALES
20440	MILLED RICE AND BYPRODUCTS
20416	MILLFEED, RYE, OATS, BUCKWHEAT, ETC.
20922	MILLFEED, SOYBEAN
20412	MILLFEED, WHEAT
23510	MILLINERY, ALL TYPES (WOMEN'S, CHILDREN'S, AND INFANTS'), INCLUDING FELT BODIES, STRAW, FABRIC, FLOWER OR VEILING AND FROM PURCHASED FUR ON THE SKIN
23510	MILLINERY FROM PURCHASED FUR ON THE SKIN
35451	MILLING CUTTERS, SMALL CUTTING TOOLS
35416	MILLING MACHINES, METAL-CUTTING TYPE
22940	MILLWASTE, TEXTILE, PROCESSED
24318	MILLWORK, WOOD, FOR EXTERIOR, AS PORCH COLUMNS, TRELLISES
20460	MILO-CORN STARCH
35791	MIMEOGRAPH, MULTIGRAPH AND MANIFOLDING MACHINES
26216	MIMEOGRAPH PAPER, ALL WOODPULP
20117	MINCED MEAT ROLL, NOT CANNED, MADE IN MEATPACKING PLANT
20137	MINCED MEAT ROLL, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20324	MINCEMEAT, CANNED
35321	MINE CARS, UNDERGROUND, TRACK OR SHUTTLE
35351	MINE CONVEYORS (UNDERGROUND)
35361	MINE HOISTS
24110	MINE TIES, WOOD, HEWN
24211	MINE TIES, WOOD, SAWED
35321	MINERAL CLASSIFYING MACHINERY (FOR MINING MACHINERY) FLOTATION SEPARATING, CONCENTRATING, CLEANING AND CLARIFYING EQUIPMENT
20424	MINERAL MIXTURES, FOR ANIMAL FEED, INCLUDING OYSTER SHELLS
32962	MINERAL WOOL FOR INDUSTRIAL AND EQUIPMENT INSULATION, SUCH AS ACOUSTICAL PADS AND BOARDS, PIPE INSULATION, ETC.
32961	MINERAL WOOL FOR STRUCTURAL INSULATION
32950	MINERALS AND EARTHS, GROUND OR OTHERWISE TREATED
36426	MINERS' LIGHTS
19293	MINES (AMMUNITION) AND PARTS
37412	MINING AND INDUSTRIAL TYPE LOCOMOTIVES
35321	MINING MACHINERY AND EQUIPMENT, UNDERGROUND
24991	MIRRORS, FRAMES, WOOD OR METAL
32315	MIRRORS, FROM PURCHASED GLASS
32315	MIRRORS, REARVIEW, AUTOMOTIVE
27314	MISSALS, RELIGIOUS BOOKS
22524	MISSES' AND CHILDREN'S ANKLETS AND SOCKS EXCEPT MISSES' KNEE-LENGTH, SHIPPED IN THE GREIGE
22523	MISSES' AND CHILDREN'S FINISHED SEAMLESS HOSIERY, ANKLETS, ATHLETIC AND CREW AND KNEE-LENGTH SOCKS
31415	MISSES' SHOES
37292	MISSILE AND SPACE VEHICLE COMPONENTS AND SUBASSEMBLIES
37292	MISSILE, AND SPACE VEHICLE COMPONENTS, SUBASSEMBLIES, AND AUXILIARY EQUIPMENT
36628	MISSILE-BORNE AND SPACE VEHICLE-BORNE NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT
37294	MISSILE COMPONENTS (EXCEPT ENGINE AND PROPULSION UNITS), RECEIPTS FROM RESEARCH AND DEVELOPMENT ONLY
37225	MISSILE ENGINES, OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS
19293	MISSILE WARHEADS
19251	MISSILES, GUIDED, COMPLETE (EXCEPT PROPULSION)
19253	MISSILES, GUIDED, COMPLETE, RESEARCH AND DEVELOPMENT ONLY
19255	MISSILES, GUIDED, COMPLETE, SERVICES ONLY (OTHER THAN RESEARCH AND DEVELOPMENT)
26112	MITSCHERLICH WOODPULP
22562	MITTEN FABRIC, CIRCULAR KNIT AND FINISHED IN A KNIT FABRIC MILL
23811	MITTENS, DRESS, EXCEPT ALL LEATHER, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22590	MITTENS, MADE FROM YARN OR FABRIC, KNIT IN SAME ESTABLISHMENT
23812	MITTENS, WORK, EXCEPT ALL LEATHER, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
35512	MIXERS AND WHIPPERS (EXCEPT DRINK MIXERS), COMMERCIAL
35316	MIXERS, CONCRETE, HAND OR POWERED
35512	MIXERS, DOUGH, BAKERY
36343	MIXERS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
20455	MIXES, PREPARED FLOUR AND DRY FLOUR MIXES, MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
36629	MOBILE TELEPHONE COMMUNICATION EQUIPMENT
35851	MOBILE VEHICLE REFRIGERATION SYSTEM, MECHANICAL, FOR TRUCKS, TRAILERS AND RAILWAY FREIGHT CARS
31412	MOCCASINS, MEN'S WORK SHOES, OXFORD TYPE
28124	MODIFIED SODAS
25224	MODULAR SERVICE UNITS, METAL OFFICE
25210	MODULAR SERVICE UNITS, WOOD OFFICE FURNITURE
25222	MODULAR UNIT DESKS, METAL
36795	MODULES, ELECTRONIC
22970	MOHAIR WOOL SCOURING AND COMBING MILL PRODUCTS
35791	MOISTENERS, GUMMED TAPE, FOR STORE AND OFFICE USE
20630	MOLASSES, BEET SUGAR
20610	MOLASSES, BLACKSTRAP, EXCEPT REFINERS'
20610	MOLASSES, MADE FROM CANE SUGAR, EXCEPT BLACKSTRAP (FROM WHICH SOME SUGAR HAS BEEN REMOVED)
20993	MOLASSES, NOT MADE IN SUGAR REFINERIES
20620	MOLASSES, REFINERS' BLACKSTRAP, CANE
36135	MOLDED CASE CIRCUIT BREAKERS
20722	MOLDED CHOCOLATE CONFECTIONS, BAR, PACKAGE OR BULK GOODS, MADE FROM COCOA BEANS GROUND IN THE SAME ESTABLISHMENT
20716	MOLDED CHOCOLATE CONFECTIONS, BAR, PACKAGE OR BULK GOODS, MADE FROM PURCHASED CHOCOLATE
34423	MOLDING AND TRIM, METAL
35592	MOLDING MACHINES, FOUNDRY, EXCEPT PATTERNS AND MOLDS
35593	MOLDING PLASTIC-WORKING MACHINERY, COMPRESSION, EXTRUSION AND INJECTION TYPE
24262	MOLDING STOCK, HARDWOOD DIMENSION
24991	MOLDINGS, FINISHED, FOR MIRRORS AND PICTURES
33211	MOLDS AND STOOLS, FOR HEAVY STEEL INGOTS, GRAY-IRON
35442	MOLDS, INDUSTRIAL
35442	MOLDS, OF METAL, FOR CASTING METALS, FOUNDRY MOLDS (EXCEPT INGOT)
35442	MOLDS, OF METAL, FOR MOLDING METAL, RUBBER AND PLASTICS
22114	MOLESKINS, NAPPED COTTON FABRICS (GRAY GOODS)
28219	MONOFILAMENTS, NOT SUITABLE FOR FURTHER MANUFACTURING ON TEXTILE PROCESSING EQUIPMENT
20961	MONOGLYCERIDES (SHORTENING AND COOKING OILS), VEGETABLE AND ANIMAL
35362	MONORAIL SYSTEMS, INDUSTRIAL
32811	MONUMENTAL, CUT STONE, GRANITE
23920	MOPS, MADE FROM PURCHASED FABRIC
19291	MORTAR SHELLS, OVER 30 MM. (OR OVER 1.18 INCHES)
19110	MORTARS, GUNS, HOWITZERS, OVER 30 MM. (OR OVER 1.18 INCHES)
39943	MORTICIANS' GOODS, EXCEPT CASKETS AND COFFINS
32530	MOSAIC TILE (CERAMIC)
28421	MOSQUITO REPELLANTS, PERSONAL USE
28421	MOTH CONTROL AGENTS
26431	MOTHPROOF BAGS, PAPER
38613	MOTION PICTURE PROCESSING EQUIPMENT, INCLUDING PRINTING, DEVELOPING AND DRYING MACHINES
35484	MOTOR ANALYZERS, AUTO
36220	MOTOR CONTROLS, ELECTRIC
37113	MOTOR COACHES, EXCEPT TROLLEY BUSSES, CHASSIS OF OWN MANUFACTURE
36216	MOTOR GENERATOR SETS (EXCEPT LAND TRANSPORTATION) PARTS AND EQUIPMENT ONLY
36215	MOTOR-GENERATOR SETS, INCLUDING DYNAMOTORS, CONVERTERS, INVERTERS (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
35318	MOTOR GRADERS AND LIGHT MAINTAINERS
22110	MOTOR ROBES, COTTON AND CHIEFLY COTTON MADE IN BROADWOVEN FABRIC MILL
22219	MOTOR ROBES, OF MANMADE FIBER FABRICS: MADE IN BROADWOVEN FABRIC MILLS
36220	MOTOR STARTERS AND CONTROLLERS, ELECTRIC
35222	MOTOR TILLERS, AND GARDEN TRACTORS
30691	MOTOR VEHICLE BELTS, RUBBER
34291	MOTOR VEHICLE HARDWARE, INCLUDING LOCK UNITS, DOOR AND WINDOW HANDLES, HINGES, LICENSE PLATE BRACKETS, INSTRUMENT PANEL KNOBS, ETC.
36424	MOTOR VEHICLE LIGHTING EQUIPMENT, EXCEPT BULBS (EXCEPT PARTS AND ACCESSORIES)
37510	MOTORBIKES, BICYCLES, MOTORCYCLES, SCOOTERS, AND PARTS
37321	MOTORBOATS, INBOARD, ALL TYPES
37322	MOTORBOATS, OUTBOARD, INCLUDING PREFABRICATED KITS
30111	MOTORCYCLE PNEUMATIC TIRES, CASINGS
37410	MOTORCYCLES, BICYCLES, MOTORBIKES, SCOOTERS, AND PARTS
36212	MOTORS, AIRCRAFT AND SPACE, INTEGRAL HORSEPOWER
36211	MOTORS, ALTERNATING CURRENT, FRACTIONAL HORSEPOWER
35612	MOTORS AND PUMPS, HYDRAULIC, FLUID POWER
36943	MOTORS, CRANKING, FOR INTERNAL COMBUSTION ENGINES
36211	MOTORS, AUTOMOBILE ACCESSORY MOTORS (SUCH AS HEATERS, CONVERTIBLE TOPS, AUTOMATIC WINDOWS, ETC.)
36213	MOTORS, DIESEL-ELECTRIC, FOR LAND TRANSPORTATION EQUIPMENT (INCLUDING PARTS AND SUPPLIES)
36211	MOTORS, ELECTRIC, LESS THAN ONE HORSEPOWER (EXCEPT PARTS AND SUPPLIES)
36213	MOTORS, ELECTRICAL, AND GENERATORS, FOR LAND TRANSPORTATION EQUIPMENT (INCLUDING PARTS AND ACCESSORIES)
36216	MOTORS, ELECTRICAL (EXCEPT LAND TRANSPORTATION MOTORS, SUCH AS TROLLEY, ETC.) PARTS AND SUPPLIES ONLY
36213	MOTORS, GAS-ELECTRIC, FOR LAND TRANSPORTATION EQUIPMENT (INCLUDING PARTS AND SUPPLIES)
36212	MOTORS, INTEGRAL HORSEPOWER OTHER THAN FOR LAND TRANSPORTATION, A.C. AND D.C. CURRENT (EXCEPT PARTS AND SUPPLIES)
35195	MOTORS, OUTBOARD
36211	MOTORS, TOY AND AUTO HEATER (EXCEPT PARTS AND SUPPLIES)
24316	MOULDINGS, FINISHED WOOD, FOR WINDOW AND DOOR TRIM
19110	MOUNTS FOR WEAPONS OVER 30 MM. (OR OVER 1.18 INCHES)
35624	MOUNTED BEARINGS, BALL OR ROLLER
28444	MOUTH WASHES, GARGLES AND RINSES
35340	MOVING STAIRWAYS
35226	MOWERS, HAYING MACHINERY
28911	MUCILAGE
28993	MUDS (DRILLING MATERIALS), MUD THINNERS, THICKENERS AND PURIFIERS
23690	MUFFLERS, GIRLS' AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23230	MUFFLERS (NECKWEAR), MEN'S, YOUTHS', AND BOYS' KNIT OR WOVEN
37141	MUFFLERS, VEHICLE
23710	MUFFS, FUR
26433	MULTIWALL BAGS
20333	MUSHROOMS, CANNED, EXCEPT FROZEN
20353	MUSHROOM SAUCE
25112	MUSIC CABINETS, WOOD, FINISHED AND PAINTED
36515	MUSIC DISTRIBUTION APPARATUS
39314	MUSIC ROLLS, PERFORATED
39314	MUSIC STAND
31610	MUSICAL INSTRUMENT CASES
39314	MUSICAL INSTRUMENTS AND PARTS, EXCEPT PIANO AND ORGAN
39410	MUSICAL TOYS
22112	MUSLIN, BED SHEETINGS, 42-INCH AND WIDER (GRAY GOODS)
20332	MUSTARD, LEAFY GREEN, CANNED
20353	MUSTARD, PREPARED
20113	MUTTON, NOT CANNED OR MADE INTO SAUSAGE

Code	Product
28445	NAIL POLISH, LACQUERS AND ENAMELS
24411	NAILED OR LOCK-CORNER BOXES, FROM LUMBER, VENEER OR PLYWOOD
33992	NAILS, NONFERROUS, PRIMARY
33152	NAILS, STEEL
29118	NAPHTHA AND OTHER OILS FOR USE AS PETROCHEMICAL FEEDSTOCKS
29110	NAPHTHA SOLVENTS
28155	NAPHTHALENE
33121	NAPHTHALENE, BYPRODUCT OF COKE OVEN
22920	NAPKINS, LACE
26210	NAPKINS, PAPER STOCK
26472	NAPKINS, PAPER, TABLE, HOUSEHOLD, AND INDUSTRIAL
23920	NAPKINS, TABLE, MADE FROM PURCHASED FABRIC, EXCEPT LACE
22114	NAPPED COTTON FABRICS (GRAY GOODS), BROADWOVEN
28342	NARCOTIC, SUCH AS ALPHAPRODINE, ANILERIDINE, MEPERIDINE, METHADONE AND MORPHINE
22411	NARROW WOVEN FABRICS
28344	NASAL DECONGESTANTS, PHARMACEUTICAL FOR HUMAN USE
20221	NATURAL CHEESE, INCLUDING CHEDDAR, BRICK, CREAM AND SWISS
28712	NATURAL ORGANIC FERTILIZER PRODUCED IN SAME ESTABLISHMENT
20139	NATURAL SAUSAGE CASINGS
38111	NAUTICAL INSTRUMENTS
36628	NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT, MISSILE-BORNE AND SPACE VEHICLE-BORNE
36624	NAVIGATIONAL AIDS, ELECTRONIC
38111	NAVIGATIONAL INSTRUMENTS
23710	NECK PIECES, FUR
39111	NECKLACES, MADE OF PLATINUM AND CARAT GOLD
39112	NECKLACES MADE OF PRECIOUS METALS EXCEPT PLATINUM AND CARAT GOLD
23230	NECKTIES, INCLUDING PRINTED (MEN'S, YOUTHS', AND BOYS'), WOVEN OR KNIT POLYESTER, SILK, RAYON OR ACETATE AND ALL OTHER FABRICS
23690	NECKWEAR, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23230	NECKWEAR, MEN'S, YOUTHS', AND BOYS'
23393	NECKWEAR, WOMEN'S AND MISSES' (EXCEPT FUR)
35623	NEEDLE ROLLER BEARINGS
23951	NEEDLEWORK, ART
39642	NEEDLES, PINS, FASTENERS, EXCEPT SLIDE FASTENERS (NOTIONS)
23413	NEGLIGEES, WOMEN'S AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
28134	NEON, INDUSTRIAL
39931	NEON SIGN (ELECTRIC)
32292	NEON TUBING, GLASS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	NEON TUBING, GLASS, FROM PURCHASED GLASS
22983	NET MAKING TWINE, COTTON FIBER
22920	NETS, LACE
22983	NETTING, FISHING, COTTON FIBER
22561	NETTING, INCLUDING SHOE NETTING, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
22111	NETTING, LAUNDRY, MADE OF COTTON FABRIC (GRAY GOODS)
24318	NEWELS, WOOD, FOR PORCH, STAIR, ETC.
27215	NEWS MAGAZINES, GENERAL AND BUSINESS SUBSCRIPTIONS AND SINGLE COPY
27112	NEWSPAPER ADVERTISING, RECEIPTS FROM, DAILY AND SUNDAY
27114	NEWSPAPER ADVERTISING, RECEIPTS FROM, WEEKLY AND OTHERS
27111	NEWSPAPER SUBSCRIPTIONS AND SALES, RECEIPTS FROM, DAILY AND SUNDAY
27113	NEWSPAPER SUBSCRIPTIONS AND SALES, RECEIPTS FROM, WEEKLY AND OTHERS
27526	NEWSPAPERS, PRINTED BY LITHOGRAPHIC
27517	NEWSPAPERS, READY PRINTS, SHOPPING NEWS AND MARKET CIRCULARS, GRAVURE PRINTING
27516	NEWSPAPERS, READY PRINTS, SHOPPING NEWS, AND MARKET CIRCULAR, LETTERPRESS PRINTED
26211	NEWSPRINT
33416	NICKEL BASE, SECONDARY SMELTING AND REFINING
28199	NICKEL COMPOUNDS, INORGANIC CHEMICALS
33560	NICKEL, PIPE AND TUBING, ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
33560	NICKEL, PLATE, SHEET, AND STRIP, ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
33397	NICKEL PRIMARY SMELTED
33560	NICKEL ROD, BAR AND MONEL, ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
28790	NICOTINE SULFATE INSECTICIDES FOR AGRICULTURE
34920	NIGHT DEPOSITORIES FOR BANKS
34294	NIGHT LATCHES AND DEADLOCKS
25115	NIGHT TABLES, WOODEN, PAINTED OR FINISHED
22543	NIGHTGOWNS AND SLEEPCOATS, KNIT, FOR WOMEN, MISSES, CHILDREN, AND INFANTS, MADE FROM YARNS OR FABRIC KNIT AT THE SAME ESTABLISHMENT
22562	NIGHTWEAR FABRICS, CIRCULAR KNIT AND FINISHED IN A KNIT FABRIC MILL
22561	NIGHTWEAR FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
22541	NIGHTWEAR, KNIT MENS' AND BOYS', MADE FROM YARNS OR FABRIC KNIT IN THE SAME ESTABLISHMENT
22543	NIGHTWEAR, KNIT WOMEN'S AND CHILDREN'S, MADE FROM YARN AND FABRICS KNIT IN SAME ESTABLISHMENT
23219	NIGHTWEAR, MEN'S AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23215	NIGHTWEAR, MEN'S AND BOYS', MADE OF WOVEN OR PURCHASED KNIT FABRICS
23419	NIGHTWEAR, WOMEN'S, CHILDREN'S, AND INFANTS' (CONTRACT AND COMMISSION RECEIPTS)
23413	NIGHTWEAR, WOMEN'S, CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRICS
22211	NINONS, 100% FILAMENT RAYON AND/OR ACETATE FIBERS (GRAY GOODS)
30697	NIPPLES, AND PACIFIERS, RUBBER (DRUGGIST SUNDRIES)
28191	NITRIC ACID
28134	NITROGEN, INDUSTRIAL
28191	NITROGEN SOLUTIONS, AMMONIUM COMPOUNDS
28921	NITROGLYCERIN, INDUSTRIAL
28134	NITROUS OXIDE, INDUSTRIAL
22970	NOILS, WOOL OR OTHER
26316	NONBENDING COMBINATION PAPERBOARD, INCLUDING PLAIN CHIP, NEWS-LINED, AND WHITE-LINED
28242	NONCELLULOSIC FIBERS, SALABLE WASTE
32970	NONCLAY REFRACTORIES, EXCEPT DEAD-BURNED MAGNESIA
20231	NONFAT DRY MILK SOLIDS
33699	NONFERROUS CASTINGS, EXCEPT ZINC, COPPER AND ALUMINUM
33920	NONFERROUS METAL FORGINGS
33397	NONFERROUS METALS, PRIMARY SMELTED OR REFINED (OTHER THAN COPPER, LEAD, ZINC AND ALUMINUM)
28416	NONHOUSEHOLD DETERGENTS, FOR INDUSTRIAL, INSTITUTIONAL, OR COMMERCIAL USE
33151	NONINSULATED FERROUS WIRE ROPE, CABLE, AND STRAND, PRODUCED FROM WIRE DRAWN IN SAME ESTABLISHMENT
34811	NONINSULATED FERROUS WIRE ROPE, CABLE, NOT MADE BY WIREDRAWERS
32912	NONMETALLIC BONDED ABRASIVE PRODUCTS
32913	NONMETALLIC COATED ABRASIVE PRODUCTS
28342	NONNARCOTICS, SUCH AS SALICYLATES, ASPIRIN COMBINATIONS AND ANTIARTHRITICS
34437	NONPRESSURE TANKS METAL (INCLUDING TANKS FOR TRAILERS) STANDARD LINE
37311	NONPROPELLED SHIPS AND BARGES, NEW
22991	NONWOVEN TEXTILES, BONDED FIBER FABRIC
20980	NOODLES AND NOODLE PRODUCTS, EXCEPT CANNED, INCLUDING ALL SHAPES, SIZES AND TYPES
28344	NOSE DROPS, PHARMACEUTICAL FOR HUMAN USE
27821	NOTEBOOKS, BLANKBOOK MAKING
26491	NOTEBOOKS, PAPER, INCLUDING MECHANICAL BOUND BY THREAD, WIRE, PLASTIC
22920	NOTTINGHAM LACE, MACHINE PRODUCTS
39933	NOVELTIES, ADVERTISING, EXCLUDING SIGNS AND DISPLAYS
34990	NOVELTIES AND SPECIALTIES, METAL, EXCEPT ADVERTISING NOVELTIES
24994	NOVELTIES, CORK
26495	NOVELTIES, GAMES, DISPLAYS, ETC. PAPER AND BOARD PRODUCTS
32291	NOVELTY GLASSWARE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	NOVELTY GLASSWARE FROM PURCHASED GLASS
22822	NOVELTY YARNS, OTHER THAN WOOL, NOT SPUN OR THROWN AT THE SAME ESTABLISHMENT
34320	NOZZLES, LAWN HOSE, BRASS GOODS
22970	NUBS AND SLUBS, WOOL OR OTHER
35791	NUMBERING MACHINES, OFFICE AND STORE, MECHANICAL
27313	NURSING BOOKS
32316	NURSERY BOTTLES, FROM PURCHASED GLASS
25116	NURSERY CHAIRS, WOODEN, PAINTED OR FINISHED
25116	NURSERY SEATS, WOODEN, PAINTED OR FINISHED
23392	NURSES' WASHABLE SERVICE APPAREL
20716	NUTMEATS, CANNED AND PACKAGED, INCLUDING PEANUTS
28349	NUTRIENTS AND TONICS VETERINARY PHARMACEUTICAL
34521	NUTS AND BOLTS
24262	NUTS, HARDWOOD DIMENSION STOCK
20716	NUTS, SOLD IN BULK, CANDIED, CRYSTALLIZED, GLACE, ETC.
20716	NUTS, SOLD IN BULK, SALTED, ROASTED, COOKED, BLANCHED, ETC.
22212	NYLON DRAPERY, UPHOLSTERY AND BLANKETING FABRIC (GRAY GOODS), 100% FILAMENT
22511	NYLON AND NYLON LEG FINISHED FULL FASHIONED STOCKINGS FOR WOMEN AND MISSES FULL- OR KNEE-LENGTH, STRETCH AND NONSTRETCH
28241	NYLON, MANMADE FIBERS, STAPLE AND TOW
28241	NYLON POLYAMIDE FIBERS FILAMENT YARN
28241	NYLON, SALABLE WASTE
22513	NYLON SEAMLESS STOCKINGS FOR WOMEN AND MISSES, FULL- OR KNEE-LENGTH STRETCH OR NONSTRETCH
22212	NYLON STRETCH FABRICS, 100% FILAMENT, GRAY GOODS
22212	NYLON AND CHIEFLY NYLON FABRICS, BROADWOVEN (GRAY GOODS) 100% FILAMENT
22940	OAKUM
20430	OAT BREAKFAST FOODS - READY TO SERVE
20416	OAT MILLFEED AND OTHER OAT GRAIN MILL PRODUCTS
20430	OATMEAL, BREAKFAST FOOD, TO BE COOKED BEFORE SERVING
28341	OBESITY PREPARATIONS, PHARMACEUTICAL FOR HUMAN USE
20110	OFFAL, KILLING FLOOR (PRODUCT OF SLAUGHTERING OPERATIONS)
20416	OFFAL, PRODUCED IN GRAIN MILLS
25420	OFFICE AND STORE FIXTURES, METAL
25410	OFFICE AND STORE FIXTURES, WOOD
25210	OFFICE FURNITURE, WOOD
30795	OFFICE MACHINES, PLASTICS, BOUNDING COMPONENTS AND ACCESSORIES
26451	OFFICE SUPPLIES, PAPER, DIE-CUT PAPER, PAPERBOARD AND CARDBOARD
35551	OFFSET LITHOGRAPHIC PRINTING PRESSES
35333	OIL AND GAS SEPARATING, METERING AND TREATING EQUIPMENT FOR OILFIELD AND GASFIELD PRODUCTION
20943	OIL, ANIMAL AND MARINE, EXCEPT SHORTENING AND COOKING, FATTY ACIDS, GREASE AND TALLOW
34336	OIL BURNERS, PARTS AND ATTACHMENTS
34331	OIL BURNERS, SOLD SEPARATELY, EXCEPT PARTS
20460	OIL, CORN, CRUDE AND REFINED
37141	OIL FILTER ELEMENTS, MOTOR VEHICLE
20961	OIL, OLIVE, FOR COOKING SALAD, ETC., PRODUCED AT THIS PLANT
28511	OIL PAINTS, ENAMELS AND VARNISHES IN READY-MIXED FORM
28513	OIL PAINTS, READY MIXED, INTERIOR INCLUDING ENAMELS, VARNISHES AND TINTING BASES, TRADE SALES
38214	OIL PRESSURE INDICATING INSTRUMENTS
34437	OIL STORAGE TANKS, BASEMENTS, METAL NONPRESSURE, STANDARD
28993	OIL TREATING COMPOUNDS
22953	OILCLOTH, ARTIFICIAL LEATHER
26412	OILED AND SIMILARLY TREATED PAPER
26412	OILED PAPER
35333	OILFIELD AND GASFIELD PRODUCTION MACHINERY AND EQUIPMENT EXCEPT PUMPS
34437	OILFIELD STORAGE TANKS, BOLTED METAL, NONPRESSURE, STANDARD
28445	OILS, BABY, BATH, SUNTAN
28993	OILS, ESSENTIAL, SUCH AS CITRUS OILS, PEPPERMINT OILS, ETC.
29117	OILS FOR LUBRICATING MADE IN REFINERIES
29920	OILS, LUBRICATING OILS MADE FROM PURCHASED MATERIALS
20961	OILS, SHORTENING, SALAD, AND COOKING, REFINED BLEACHED, DEODORIZED AND/OR WINTERIZED
29118	OILS, UNFINISHED AND LUBRICATING OIL BASE STOCK
20932	OILS, VEGETABLE (OTHER THAN COTTONSEED, SOYBEAN, AND LINSEED)
28346	OINTMENTS, JELLIES, PASTES, CREAMS, CERATES AND SALVES, FOR HUMAN USE PHARMACEUTICAL
28183	OLEIC ACID
28992	OLEIC ACID PRODUCED FOR SALE AS SUCH, FROM OWN OR PURCHASED MATERIALS
20962	OLEOMARGARINE
28193	OLEUM-SULFURIC ACID
20961	OLIVE OIL - FOR COOKING, SALAD, ETC., PRODUCED AT THIS PLANT
20331	OLIVES, CANNED
20352	OLIVES, GREEN, BULK
26216	ONIONSKIN AND MANIFOLD PAPER
26216	OPAQUE CIRCULAR PAPER
32114	OPAQUE GLASS, ROLLED, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
33129	OPEN DIE HAMMER OR PRESS FORGING, STEEL FROM A STEEL MILL
33919	OPEN DIE HAMMER OR PRESS FORGING, STEEL, FROM PURCHASED MATERIALS
23930	OPEN MESH TEXTILE BAGS OF COTTON
38512	OPHTHALMIC FOCUS LENSES, INCLUDING CONTACT LENSES

Code	Product
38511	OPHTHALMIC GOODS, FRONTS AND TEMPLES FINISHED
38311	OPTICAL INSTRUMENTS AND LENSES, EXCEPT SIGHTING AND FIRE CONTROL EQUIPMENT
38311	OPTICAL MEASURING INSTRUMENTS
35595	OPTICAL MACHINERY
30695	O-RINGS AND ROLLS, RUBBER
28341	ORAL CONTRACEPTIVE PREPARATIONS, EXCEPT VAGINAL CONTRACEPTIVES
28444	ORAL HYGIENE PRODUCTS, INCLUDING DENTAL FLOSS, ADHESIVES, RINSES, CLEANSERS, ETC.
39313	ORGAN PARTS (EXCEPT BENCHES)
22115	ORGANDY, COMBED AND PART COMBED FINE COTTON, (GRAY GOODS)
28332	ORGANIC MEDICINAL CHEMICALS, IN BULK
28790	ORGANIC PHOSPHATE CONTAINING PREPARATIONS FOR AGRICULTURE
28153	ORGANIC PIGMENTS, SYNTHETIC
28152	ORGANIC SYNTHETIC DYES, CYCLIC
39312	ORGANS, COMPLETE
33156	ORNAMENTAL LAWN FENCE STEEL MADE IN WIREDRAWING PLANT
34816	ORNAMENTAL LAWN FENCE STEEL - NOT PRODUCED BY WIREDRAWERS
34460	ORNAMENTAL METAL WORKS (EXCEPT CURTAIN WALL AND OTHER EXTERIOR PANELS)
38410	ORTHOPEDIC INSTRUMENTS
38421	ORTHOPEDIC, SURGICAL, PROSTHETIC APPLIANCES AND SUPPLIES
36112	OSCILLOSCOPES, WAVEFORM MEASURING AND/OR ANALYZING EQUIPMENT
22112	OSNABURGS - COTTON SHEETING (GRAY GOODS)
25121	OTTOMANS, UPHOLSTERED WOOD
35663	OUTBOARD GEAR DRIVES (INBOARD PRIME MOVER)
37322	OUTBOARD MOTORBOATS, INCLUDING PREFABRICATED KITS
35195	OUTBOARD MOTORS
25117	OUTDOOR FURNITURE, WOOD, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
22562	OUTERWEAR FABRICS, CIRCULAR KNIT AND FINISHED IN A KNITTING MILL
22561	OUTERWEAR FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
22114	OUTING FLANNELS, COTTON (GRAY GOODS)
36430	OUTLETS, CONVENIENCE AND POWER, ELECTRICAL
28332	OVARY EXTRACTIONS, GLANDS, TISSUE FROM ANIMALS IN BULK
28423	OVEN CLEANERS
35671	OVENS AND FURNACES, ELECTRIC, INDUSTRIAL, METAL PROCESSING (EXCEPT PARTS AND ATTACHMENTS)
35672	OVENS AND FURNACES, FUEL FIRED, INDUSTRIAL, METAL PROCESSING, (EXCEPT PARTS AND ATTACHMENTS)
35673	OVENS AND FURNACES, INDUSTRIAL PROCESS - PARTS AND ATTACHMENTS ONLY
36312	OVENS AND RANGES, HOUSEHOLD, AND EQUIPMENT AND PARTS EXCEPT ELECTRIC
36311	OVENS AND RANGES, HOUSEHOLD ELECTRIC AND PARTS
36343	OVENS AND ROASTERS, ELECTRIC, HOUSEHOLD APPLIANCE (EXCEPT PARTS AND ATTACHMENTS)
35512	OVENS, BAKE, BAKERY
36311	OVENS, ELECTRIC, BUILT-IN OR STACK-ON, HOUSEHOLD
38112	OVENS, LABORATORY
35595	OVENS, NONMETALLIC, INDUSTRIAL
23690	OVERALLS, CHILDREN'S AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23282	OVERALLS, MEN'S AND BOYS'
23393	OVERALLS, WOMEN'S AND MISSES'
23114	OVERCOATS, BOYS', INCLUDING UNIFORM
23112	OVERCOATS, MEN'S, INCLUDING UNIFORM
23119	OVERCOATS, MEN'S, YOUTHS', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23371	OVERCOATS, WOMEN'S AND MISSES' INCLUDING UNIFORMS
34421	OVERHEAD METAL DOORS, INDUSTRIAL
35362	OVERHEAD TRAVELING CRANES AND MONORAIL AND PARTS AND ATTACHMENTS
30210	OVERSHOES, RUBBER OR RUBBER SOLED FABRIC
28182	OXALIC ACID
22112	OXFORDS, CARDED, COTTON SHEETING YARNS (GRAY GOODS)
22115	OXFORDS, COMBED AND FINE CARDED FINE COTTON (GRAY GOODS)
28134	OXYGEN, INDUSTRIAL
38410	OXYGEN TENTS, MEDICAL APPARATUS
20424	OYSTER SHELLS PREPARED FOR ANIMAL USE
20310	OYSTER STEW, CANNED EXCEPT FROZEN
20361	OYSTER STEW, PACKAGED FROZEN
20310	OYSTERS, CANNED EXCEPT FROZEN
20361	OYSTERS, FRESH PACKAGED, FROZEN
20362	OYSTERS, FRESH SHUCKED AND PACKAGED
30798	PACIFIERS, PLASTIC
30697	PACIFIERS, RUBBER
29990	PACKAGED FUEL FROM COAL OR PETROLEUM
20713	PACKAGED GOODS, CONFECTIONERY (EXCEPT SOLID CHOCOLATE)
30794	PACKAGING AND SHIPPING CONTAINERS, PLASTICS
35690	PACKAGING AND WRAPPING MACHINERY, EXCEPT FOOD AND TOBACCO
26218	PACKAGING PAPER, AND INDUSTRIAL CONVERTING PAPER, EXCEPT UNBLEACHED KRAFT
26217	PACKAGING PAPER, UNBLEACHED KRAFT AND INDUSTRIAL CONVERTING PAPER
32933	PACKING, ASBESTOS
32933	PACKING FOR SEALING MOVING PARTS, EXCEPT LEATHER, RUBBER, METAL
31210	PACKING, LEATHER, INDUSTRIAL, EXCEPT GASKETS AND WASHERS
35992	PACKING, METALLIC AND SEMIMETALLIC
30693	PADDING AND PADS, LATEX, FOAM RUBBER
34294	PADLOCKS, BUILDERS' HARDWARE
22930	PADS AND PADDINGS, MADE IN TEXTILE MILLS, INCLUDING PADDINGS OF HARD FIBER
30693	PADS AND PADDING, LATEX FOAM RUBBER
23920	PADS, BABY, QUILTED, MADE FROM PURCHASED FABRIC
26530	PADS, CORRUGATED AND SOLID FIBER
24290	PADS, EXCELSIOR, MADE IN A SAWMILL
22910	PADS, FELT
25152	PADS FOR CRIBS, BASKETS, BEDS, ETC., MADE OF ANY MATERIAL
26491	PADS, STATIONERY, INCLUDING BOOK, WRITING, AND NEWSPRINT
24450	PAILS, MADE OF COOPERAGE
34618	PAILS, METAL, EXCEPT SHIPPING
24430	PAILS, PLYWOOD
34911	PAILS, STEEL SHIPPING
28518	PAINT AND VARNISH REMOVERS
28511	PAINT, BARN AND ROOF, OIL-TYPE PAINTS, TRADE SALE
28511	PAINT, BITUMINOUS OIL-TYPE, TRADE SALE
28518	PAINT BRUSH CLEANERS
39912	PAINT BRUSHES
28512	PAINT, EMULSION, WATER-TYPE EXTERIOR, TRADE SALE
28513	PAINT, GLOSS AND SEMI-GLOSS OIL-TYPE INTERIOR, TRADE SALE
28513	PAINT, INTERIOR OIL-TYPE, TRADE SALES
35595	PAINT MAKING MACHINERY AND EQUIPMENT
28511	PAINT, MARINE, OIL-TYPE, EXCEPT SHIP BOTTOM, TRADE SALE
28423	PAINT REMOVERS, LIQUID AND POWDER
39912	PAINT ROLLERS
28511	PAINT, TRAFFIC, OIL-TYPE, TRADE SALE
28511	PAINT, UNDERCOATING AND PRIMERS, TRADE SALE, OIL-TYPE
28516	PAINT, ALKYD AND OIL-TYPES FOR INDUSTRIAL PRODUCT FINISHES
28514	PAINTS, EMULSION, WATER-TYPE, INTERIOR, TRADE SALES
28511	PAINTS, EXTERIOR, OIL AND ALKYD VEHICLE, TRADE SALES
28516	PAINTS, INDUSTRIAL MAINTENANCE, EXCEPT LACQUERS
28511	PAINTS, OIL EXTERIOR, TRADE SALE
28513	PAINTS, UNDERCOATING AND PRIMERS, OIL-TYPE INTERIOR, TRADE SALE
28516	PAINTS, UNDERCOATERS AND PRIMERS FOR INDUSTRY
28512	PAINTS, WATER-THINNED, EXTERIOR, INCLUDING DRY LIME AND CEMENT, TRADE SALES
28514	PAINTS, WATER-THINNED, INTERIOR, INCLUDING CASEIN AND CALCIMINES, TRADE SALES
22543	PAJAMAS, KNIT, FOR WOMEN, MISSES, CHILDREN, AND INFANTS, MADE FROM YARNS OR FABRIC KNIT AT THE SAME ESTABLISHMENT
22541	PAJAMAS, KNIT, MEN'S AND BOYS', MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23413	PAJAMAS, LOUNGING, WOMEN'S, MISSES', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRICS
23215	PAJAMAS, MEN'S AND BOYS', MADE OF WOVEN OR PURCHASED KNIT FABRICS
35370	PALLETS AND SKIDS, METAL
26530	PALLETS, CORRUGATED AND SOLID FIBER
24992	PALLETS, WOODEN OR WOOD AND METAL COMBINATION
27892	PAMPHLET BINDING, SOFT COVER
27322	PAMPHLET PRINTING, EXCEPT LITHOGRAPHIC, INCLUDING GRAVURE AND LETTERPRESS
27321	PAMPHLET PRINTING, LITHOGRAPHIC PROCESS
27515	PAMPHLETS FOR ADVERTISING, LETTERPRESS, PRINTED
27518	PAMPHLETS, PRINTED BY GRAVURE
27525	PAMPHLETS, PRINTED BY LITHOGRAPHIC PROCESS
27519	PAMPHLETS, PRINTED BY SCREEN PROCESS
27316	PAMPHLETS, PUBLISHED, OR PUBLISHED AND PRINTED
20415	PANCAKE DRY MIXES (MADE IN FLOUR MILLS)
20455	PANCAKE, DRY MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
24996	PANEL STOCK, INCLUDING INTERIOR AND EXTERIOR PANELS AND SIDING NOT FACE FINISHED
26317	PANELBOARD AND WALLBOARD STOCK, SPECIAL COMBINATION PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD
36133	PANELBOARDS AND DISTRIBUTION BOARDS, 750 VOLTS AND UNDER
24996	PANELING, PREFINISHED, EXCEPT LAMINATED AND TILED WALLBOARD
26611	PANELS, INSULATING BOARD, INTERIOR, FACTORY FINISHED
24324	PANELS, LAMINATED, PLYWOOD TYPE FROM PURCHASED PLYWOOD
32723	PANELS, MADE OUT OF PRESTRESSED CONCRETE
34493	PANELS, METAL, EXTERIOR, PREFABRICATED
34492	PANELS, PARTS OR SECTIONS FOR PREFABRICATED METAL BUILDINGS (NOT COMPLETE)
30796	PANELS, PLASTICS, CORRUGATED AND FLAT FOR CONSTRUCTION
24332	PANELS, PREFABRICATED BUILDING, WOOD
24317	PANELS, WOOD, FOR BUILT-IN CABINETS
34294	PANIC DEVICES, DOOR HARDWARE
22542	PANTIES AND BLOOMERS, KNIT, WOMEN'S AND CHILDREN'S, MADE FROM YARNS OR FABRIC KNIT IN THE SAME ESTABLISHMENT
23412	PANTIES AND PETTIPANTS, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
23850	PANTS, BABY, PLASTIC AND RUBBERIZED (NOT ALL RUBBER)
23271	PANTS, DRESS AND SPORT, INCLUDING SHORT PANTS, MEN'S, YOUTHS', AND BOYS'
23292	PANTS, SKI, MEN'S, YOUTHS', AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23630	PANTS, SKI AND SNOW, GIRLS' AND INFANTS'
23630	PANTS, SNOW AND COAT SETS, GIRLS' AND INFANTS'
23292	PANTS, SNOW, MEN'S, YOUTHS', AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23282	PANTS, WORK, MEN'S AND BOYS'
32932	PAPER AND FELT-BASE GASKETS
26432	PAPER AND PAPER COMBINATION BAGS AND LINERS
35540	PAPER AND PAPERBOARD CONVERTING EQUIPMENT
35540	PAPER BAGMAKING MACHINES
26212	PAPER, BODY STOCK FOR COATING, GROUNDWOOD
26214	PAPER, BOOK, UNCOATED
35540	PAPER BOX CARTON AND SHIPPING CONTAINER MAKING MACHINES
26612	PAPER, BUILDING (CONSTRUCTION) DRY BASIS BEFORE SATURATING
26612	PAPER, BUILDING, FLOOR COVERING AND ROOFING FELTS, SHEATHING
26495	PAPER, BUSINESS MACHINE SUPPLIES
26216	PAPER, CIGARETTE
33159	PAPER CLIPS, FERROUS, MADE IN WIREDRAWING PLANT
34819	PAPER CLIPS, FERROUS, NOT MADE BY WIREDRAWERS
26416	PAPER, CLOTH LINED, EXCEPT WATERPROOF
26217	PAPER, COARSE, UNBLEACHED KRAFT
26411	PAPER COATED FOR PRINTING AT OTHER THAN A PRIMARY MILL, COATED ONE AND TWO SIDES
32912	PAPER, COATED OR IMPREGNATED WITH ABRASIVE MATERIAL
26416	PAPER, CASEIN COATED
26216	PAPER, COVER, FINE OR THIN
26495	PAPER DRAPERIES
26416	PAPER, EMBOSSED, PRINTED AND PROCESSED
22217	PAPER FABRICS (GRAY GOODS), BROADWOVEN, MANMADE FIBER FABRICS, 100% SPUN
26216	PAPER, FINE, INCLUDING THIN PAPER
26216	PAPER, FINE WRITING, COTTON FIBER OR CHEMICAL WOODPULP
26210	PAPER FOR NAPKINS, TISSUE, TOWELING, WINDSHIELD WIPE STOCK, INDUSTRIAL WIPES
26411	PAPER FOR PRINTING, OFF MACHINE COATED AT ESTABLISHMENTS NOT PRODUCING PAPER
26492	PAPER, GIFT WRAPPING, PRINTED AND UNPRINTED
32913	PAPER, GLUE BOND, COATED OR IMPREGNATED WITH ANY NATURAL OR ARTIFICIAL ABRASIVE MATERIAL
26218	PAPER, GREASEPROOF AND/OR GLASSINE
26212	PAPER, GROUNDWOOD, PUBLICATION AND PRINTING, UNCOATED
26212	PAPER, GROUNDWOOD, UNCOATED
26413	PAPER, GUMMED
35540	PAPER INDUSTRIES, MACHINERY, INCLUDING PARTS, ATTACHMENTS
26213	PAPER MACHINE COATING PAPER
34815	PAPER MACHINE WIRE CLOTH, NONFERROUS, FOURDRINIER AND CYLINDER, NOT MADE BY WIREDRAWERS

Code	Product
33576	PAPER MACHINE WIRE CLOTH NONFERROUS, PRODUCED IN ESTABLISHMENTS WHICH INSULATE WIRE
26415	PAPER, MOISTUREPROOF AND VAPOR BARRIER, LAMINATED OR COATED WRAPPER
26451	PAPER OFFICE SUPPLIES, DIE-CUT
26412	PAPER, OILED, WAXED, AND WAX LAMINATED
28424	PAPERS, POLISHING AND CLEANING, CHEMICALLY TREATED
27821	PAPER RULING (PEN AND DISCS), MATERIAL OWNED BY OTHERS
19610	PAPER SHELLS, 30 MM. (OR 1.18 INCHES) AND UNDER
19610	PAPER SHELLS, 30 MM. (OR 1.18 INCHES) AND UNDER, EMPTY, BLANK AND LOADED
26416	PAPER, SOAP IMPREGNATED
26416	PAPER, SPECIAL COATED (MICA, PLASTIC, PYROXYLIN, LACQUER, METALLIC EXCEPT FOIL)
26219	PAPER, SPECIAL INDUSTRIAL, EXCEPT WINDSHIELD WIPER STOCK AND INDUSTRIAL WIPERS
26219	PAPER, SPECIAL INDUSTRIAL, RESIN IMPREGNATED STOCK
23930	PAPER (SPUN) TEXTILE BAGS, EXCEPT LAUNDRY, WARDROBE AND SHOE FROM PURCHASED FABRIC
26219	PAPER STOCK, ABRASIVE
26491	PAPER TABLETS, BOOK AND WRITING PAPER, NEWSPRINT
26216	PAPER, TEXT, FINE OR THIN
26217	PAPER, UNBLEACHED KRAFT
26219	PAPER, VULCANIZING FIBER STOCK, SPECIAL INDUSTRIAL
26495	PAPER WALLBOARD, LAMINATED, INDUSTRIAL
26415	PAPER WRAPPERS, LAMINATED OR COATED, EXCEPT WAXED (ROLLS AND SHEETS)
26495	PAPER, WATER AND MOISTUREPROOF, LAMINATED OR COATED WRAPPERS, EXCEPT WAXED
26415	PAPER, WATERPROOF (PLAIN, REINFORCED, CREPED, OR LINED), LAMINATED OR COATED WRAPPER
26217	PAPER, WRAPPING, COLORED OR NATURAL BROWN, UNBLEACHED KRAFT
26218	PAPER, WRAPPING, CONVERTING PAPER, EXCEPT UNBLEACHED KRAFT
22790	PAPER YARN CARPETS AND RUGS
26315	PAPERBOARD, BENDING CHIP, KRAFT-LINED, WHITE-LINED, CLAY COATED, COMBINATION BENDING PAPERBOARD
22217	PAPER YARN FABRICS (TWISTED), 100% SPUN
26312	PAPERBOARD, BENDING - SPECIAL FOOD BOARD, SOLID WOODPULP FURNISH, BLEACHED
26317	PAPERBOARD BLENDED BLEACHED FURNISH PAPERBOARD
26510	PAPERBOARD BOX AND CARTONS, FOLDING, EXCEPT ICE CREAM, BUTTER, MARGARINE, FROZEN FOOD, OTHER SPECIAL FOOD CONTAINERS
26311	PAPERBOARD CONTAINER, INCLUDING LINERS, CORRUGATING MATERIAL, CHIPBOARD, UNBLEACHED KRAFT
26530	PAPERBOARD, CORRUGATED IN SHEETS AND ROLLS
26314	PAPERBOARD, COMBINATION FURNISH, SHIPPING CONTAINERBOARD
26312	PAPERBOARD, FOLDING CARTON TYPE, BLEACHED PACKAGING, SOLID WOODPULP FURNISH
26311	PAPERBOARD, INCLUDING LINERBOARD (UNBLEACHED) FOLDING CARTON TYPE BOARD, CORRUGATING MEDIUM, UNBLEACHED KRAFT
26316	PAPERBOARD, NONBENDING COMBINATION FURNISH
26452	PAPERBOARD, PASTED, LINED, LAMINATED, OR SURFACE-COATED
26313	PAPERBOARD, SEMICHEMICAL, CORRUGATING MEDIUM, SOLID WOODPULP FURNISH
26317	PAPERBOARD, SPECIAL COMBINATION PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD
26312	PAPERBOARD, SPECIAL FOOD, SOLID WOODPULP FURNISH, BLEACHED
35552	PAPER CUTTING MACHINES-PRINTING TRADES MACHINERY
39912	PAPERHANGING BRUSHES
35540	PAPERMILL MACHINERY
26462	PAPIER MACHE ARTICLE, EXCEPT STATUARY AND ART GOODS
23990	PARACHUTES, NYLON OR OTHER FABRIC, FROM PURCHASED FABRIC
28349	PARASITICIDES, VETERINARY PHARMACEUTICAL
39997	PARASOLS, UMBRELLAS AND CANES
26218	PARCHMENT, VEGETABLE, COARSE PAPER
28790	PARIS GREEN
24261	PARQUETRY, HARDWOOD FLOORING
24993	PARTICLEBOARD, INCLUDING MACHINE WOODBOARD FROM WOOD RESIDUE
24993	PARTICLEBOARD, MADE BY PROCESS FROM WOOD RESIDUE - PLATEN OR EXTRUDED
24212	PARTITION LUMBER, DRESSED, MADE IN SAWMILL OR PLANING MILL
34460	PARTITIONS AND GUARDS, OPEN MESH METAL (EXCEPT CURTAIN, WALL AND OTHER EXTERIOR PANELS)
26530	PARTITIONS, CORRUGATED AND SOLID FIBER PAPERBOARD
25420	PARTITIONS, METAL
25410	PARTITIONS, WOOD
24332	PARTITIONS, WOOD, FOR PREFABRICATED AND PRE-CUT BUILDINGS
36332	PARTS, ACCESSORIES, ATTACHMENTS FOR HOUSEHOLD LAUNDRY EQUIPMENT, SOLD SEPARATELY
37224	PARTS, AIRCRAFT ENGINES
35891	PARTS AND ACCESSORIES FOR COMMERCIAL AND FOOD WARMING EQUIPMENT
35892	PARTS AND ACCESSORIES FOR COMMERCIAL ELECTRIC COOKING EQUIPMENT
36795	PARTS AND ACCESSORIES FOR ELECTRONIC DEVICES AND FOR ELECTRONIC TUBES (EXCEPT GLASS BLANKS)
36426	PARTS AND ACCESSORIES FOR ELECTRIC LIGHTING EQUIPMENT
36393	PARTS AND ACCESSORIES FOR ELECTRIC WATER HEATERS
36426	PARTS AND ACCESSORIES FOR FLUORESCENT LIGHTING EQUIPMENT, EXCEPT TUBES, BALLASTS, STARTING SWITCHES, AND LAMPHOLDERS
36311	PARTS AND ACCESSORIES FOR HOUSEHOLD ELECTRIC OVENS, STOVES, AND RANGES
35199	PARTS AND ACCESSORIES FOR INTERNAL COMBUSTION ENGINES, EXCEPT AIRCRAFT, AUTO, GAS TURBINES
37228	PARTS AND ACCESSORIES FOR MISSILE AND SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS
37423	PARTS AND ACCESSORIES FOR RAILROAD CARS AND STREET CARS
35112	PARTS AND ACCESSORIES FOR TURBINES AND STEAM ENGINES
35792	PARTS AND ATTACHMENTS FOR ADDRESSING, DICTATING, DUPLICATING, AND OTHER OFFICE MACHINES
35743	PARTS AND ATTACHMENTS FOR CALCULATING AND ACCOUNTING MACHINES
35512	PARTS AND ATTACHMENTS FOR COMMERCIAL FOOD-PREPARATION MACHINES
35820	PARTS AND ATTACHMENTS FOR COMMERCIAL LAUNDRY EQUIPMENT
35352	PARTS AND ATTACHMENTS AND ACCESSORIES FOR CONVEYORS AND SYSTEMS
35552	PARTS, ATTACHMENTS, AND ACCESSORIES FOR PRINTING-TRADES MACHINERY AND EQUIPMENT
35319	PARTS AND ATTACHMENTS FOR CONSTRUCTION MACHINERY AND EQUIPMENT, SOLD SEPARATELY, EXCEPT POWER CRANES, DRAGLINES, SHOVELS
35733	PARTS AND ATTACHMENTS FOR ELECTRONIC COMPUTING EQUIPMENT
35340	PARTS AND ATTACHMENTS FOR ELEVATORS AND MOVING STAIRWAYS
35513	PARTS AND ATTACHMENTS FOR FOOD-PRODUCTS MACHINERY
35361	PARTS AND ATTACHMENTS FOR HOISTS (SOLD SEPARATELY)
35673	PARTS AND ATTACHMENTS FOR INDUSTRIAL FURNACES AND OVENS
35370	PARTS AND ATTACHMENTS FOR INDUSTRIAL TRUCKS AND TRACTORS, TRAILERS AND STACKERS
35424	PARTS AND ATTACHMENTS FOR METAL-FORMING TOOLS AND REBUILT METAL-FORMING MACHINERY
35324	PARTS AND ATTACHMENTS FOR MINING MACHINERY AND EQUIPMENT
38613	PARTS AND ATTACHMENTS FOR MOTION PICTURE EQUIPMENT
34336	PARTS AND ATTACHMENTS FOR OIL BURNER, WARM AIR FURNACE, CAST IRON AND STEEL HEATING BOILERS, MECHANICAL STOKERS
35362	PARTS AND ATTACHMENTS FOR OVERHEAD TRAVELING CRANES AND MONORAIL SYSTEMS
35540	PARTS AND ATTACHMENTS FOR PULPMILL AND PAPERMILL AND PAPER CONVERTING MACHINERY AND EQUIPMENT
35616	PARTS AND ATTACHMENTS FOR PUMPS, AIR AND GAS COMPRESSORS, PUMPING EQUIPMENT
35760	PARTS AND ATTACHMENTS FOR SCALES AND BALANCES
19512	PARTS AND ATTACHMENTS FOR SMALL ARMS 30 MM (1.18 IN.) AND UNDER
36344	PARTS AND ATTACHMENTS FOR SMALL HOUSEHOLD ELECTRICAL APPLIANCES
34433	PARTS AND ATTACHMENTS FOR STEEL POWER BOILER
38611	PARTS AND ATTACHMENTS FOR STILL CAMERAS
35522	PARTS AND ATTACHMENTS FOR TEXTILE MACHINERY
35313	PARTS AND ATTACHMENTS FOR TRACTORS, TRACKLAYING AND CONTRACTORS OFF-HIGHWAY (WHEEL TYPE)
35720	PARTS AND ATTACHMENTS FOR TYPEWRITERS, SOLD SEPARATELY
35531	PARTS AND ATTACHMENTS FOR WOODWORKING MACHINERY, EXCEPT THOSE DESIGNED FOR HOME WORKSHOP, GARAGES, AND SERVICE SHOPS
37291	PARTS AND AUXILIARY EQUIPMENT FOR AIRCRAFT
35629	PARTS AND COMPONENTS FOR BALL AND ROLLER BEARINGS, INCLUDING BALLS AND ROLLERS, SOLD SEPARATELY
36946	PARTS AND COMPONENTS FOR ENGINE ELECTRICAL EQUIPMENT
36213	PARTS AND SUPPLIES FOR LAND TRANSPORTATION ELECTRICAL MOTORS, (INCLUDING DIESEL-ELECTRIC AND GAS-ELECTRIC EQUIPMENT)
36216	PARTS AND SUPPLIES FOR MOTORS, GENERATORS, AND MOTOR-GENERATOR SETS, EXCEPT LAND TRANSPORTATION
37295	PARTS FOR AIRCRAFT PROPELLERS
38715	PARTS FOR ALL CLOCKS AND WATCHES, EXCEPT WATCH CRYSTALS, CASES AND JEWELS, AND COMPLETE UNCASED CLOCK MOVEMENTS
19110	PARTS FOR ARTILLERY OVER 30 MM. (OR OVER 1.18 INCHES)
35812	PARTS FOR AUTOMATIC MERCHANDISING MACHINES
37510	PARTS FOR BICYCLES, MOTORCYCLES, MOTORBIKES, SCOOTERS
39430	PARTS FOR CHILDREN'S VEHICLES
36112	PARTS FOR ELECTRICAL TEST EQUIPMENT, SOLD SEPARATELY
35229	PARTS FOR FARM MACHINERY, FOR SALE SEPARATELY
35111	PARTS FOR GENERATOR SET UNITS, STEAM, WATER, AND GAS
19110	PARTS FOR HEAVY WEAPONS OVER 30 MM. (OR OVER 1.18 INCHES)
36312	PARTS FOR HOUSEHOLD OVENS AND RANGES, EXCEPT ELECTRIC
36111	PARTS FOR INTEGRATING ELECTRICAL METERS
37413	PARTS FOR LOCOMOTIVES, FOR SALE SEPARATELY
35419	PARTS FOR METAL-CUTTING TYPE MACHINE TOOLS, SOLD SEPARATELY
39314	PARTS FOR MUSICAL INSTRUMENTS EXCEPT PIANO AND ORGANS
34336	PARTS FOR NONELECTRIC HEATING EQUIPMENT
35332	PARTS FOR OILFIELD AND GASFIELD DRILLING EQUIPMENT, EXCEPT FOR PORTABLE RIGS
39313	PARTS FOR PIANO AND ORGAN
35314	PARTS FOR POWER CRANES, DRAGLINES, AND SHOVELS
36749	PARTS FOR SEMICONDUCTORS (CHIPS, HEADERS, CANS, ETC.)
36912	PARTS FOR STORAGE BATTERIES, ALL TYPES, INCLUDING SLI
39410	PARTS FOR TOYS AND GAMES
36123	PARTS FOR TRANSFORMERS
24262	PARTS, INDUSTRIAL, COMPLETELY FABRICATED HARDWOOD
36220	PARTS, RENEWAL, FOR INDUSTRIAL CONTROL EQUIPMENT
24995	PARTS, WOOD, FABRICATED INDUSTRIAL, EXCEPT HARDWOOD
37115	PASSENGER CAR BODIES
30111	PASSENGER CAR AND MOTORCYCLE PNEUMATIC TIRES, CASINGS
37421	PASSENGER TRAIN CARS, NEW
33991	PASTE OF METAL, PRIMARY
35511	PASTEURIZERS FOR DAIRIES
20515	PASTRIES, ALL TYPES OF BAKING POWDER, LEAVENED ONLY, INCLUDING CREAM PUFFS, ECLAIRS, LADY FINGERS, FRENCH PASTRY, PUFF PASTRY, ETC. NOT FROZEN
31111	PATENT LEATHER FINISHED CATTLE HIDE
34443	PATIO ROOFS, SHEET METAL
27413	PATTERNS (INCLUDING CLOTHING PATTERNS)
35650	PATTERNS, INDUSTRIAL (WOOD, METAL, ETC.) EXCEPT SHOE PATTERNS
26495	PATTERNS, PAPER
35316	PAVERS, CONCRETE, FINISHES AND SPREADERS
35319	PAVING BREAKERS (AIR TOOL)
29510	PAVING JOINT AND CRACK FILLER
20714	PEANUT BRITTLE
20999	PEANUT BUTTER
20933	PEANUT CAKE AND MEAL
20932	PEANUT OIL
28163	PEARL ESSENCE PIGMENT
39610	PEARLS, IMITATION, INCLUDING NECKLETS
39130	PEARLS, DRILLING OF
20332	PEAS, CANNED (INCLUDING GREEN, BLACKEYE, CROWDER, PURPLE HULL, FIELD, ETC.)
20999	PECTIN (100 GRADE, DRY BASIS)
23393	PEDAL PUSHERS, WOMEN'S AND MISSES'
22524	PEDS AND ALL OTHER HOSIERY SHIPPED IN THE GREIGE
22523	PEDS, FINISHED SEAMLESS HOSIERY
20119	PELTS
39996	PELTS, SCRAPING, CURRYING, TANNING, BLEACHING AND DYEING
35791	PENCIL SHARPENERS
24995	PENCIL SLATS, WOODEN
39521	PENCILS, LEAD AND CRAYONS
39510	PENCILS, MECHANICAL, AND PENS
28430	PENETRANTS
39510	PENHOLDERS AND PENPOINTS
28348	PENICILLIN, PHARMACEUTICAL, FOR HUMAN USE
28331	PENICILLIN, SYNTHETIC, BULK
23990	PENNANTS, FROM TEXTILE PURCHASED FABRIC
20715	PENNY GOODS, CANDIES AND CONFECTIONERIES OTHER THAN BARS (UNITS RETAILING AT 4 CENTS OR LESS)
39510	PENS, MECHANICAL PENCILS AND PENPOINTS
28182	PENTAERYTHRITOL
20117	PEPERONI, NOT CANNED, MADE IN MEATPACKING PLANT
20137	PEPERONI, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20999	PEPPER, WHITE AND BLACK
28993	PEPPERMINT OILS, ESSENTIAL
28194	PERCHLORIC ACID

Code	Product
28182	PERCHLOROETHYLENE
34618	PERFORATED METAL END PRODUCTS, STAMPED OR PRESSED
28183	PERFUME MATERIALS, SYNTHETIC ORGANIC, EXCEPT BULK SURFACE ACTIVE AGENTS
28442	PERFUMES, TOILET WATER, COLOGNES
38311	PERIMETERS, (OPTICAL INSTRUMENTS)
27511	PERIODICAL AND MAGAZINE PRINTING BY LETTERPRESS
27517	PERIODICAL PRINTING BY GRAVURE
27212	PERIODICALS, FARM, ADVERTISING RECEIPTS
27211	PERIODICALS, FARM, SUBSCRIPTION AND SALES RECEIPTS
27215	PERIODICALS, GENERAL (I.E., OTHER THAN FARM, BUSINESS, AND PROFESSIONAL), RECEIPTS FROM SUBSCRIPTION AND SALES
27216	PERIODICALS, GENERAL (I.E., OTHER THAN FARM, SPECIALIZED BUSINESS, AND PROFESSIONAL), RECEIPTS FROM ADVERTISING
27521	PERIODICALS, PRINTED BY LITHOGRAPHIC
27214	PERIODICALS, PROFESSIONAL AND SPECIALIZED BUSINESS, RECEIPTS FROM ADVERTISING
27213	PERIODICALS, PROFESSIONAL AND SPECIALIZED BUSINESS, RECEIPTS FROM SUBSCRIPTION AND SALES
27217	PERIODICALS, RELIGIOUS, SCHOOL, SUNDAY MAGAZINE AND COMIC SUPPLEMENT, RECEIPTS FROM
20999	PERISHABLE PREPARED FOODS SOLD IN BULK OR PACKAGE (NOT FROZEN) INCLUDING SALADS, BREAD SANDWICHES, MEAT AND POULTRY PIES, ETC.
28443	PERMANENT WAVE SOLUTIONS, NEUTRALIZERS, RINSES
28921	PERMISSIBLES, INDUSTRIAL
28197	PEROXIDE, SODIUM
31720	PERSONAL LEATHER GOODS, EXCEPT HANDBAGS AND PURSES
28790	PESTICIDES, AGRICULTURE
28184	PESTICIDES AND OTHER SYNTHETIC ORGANIC AGRICULTURE CHEMICALS, NOT FORMULATED
20423	PET FOOD
29110	PETROLATUM
29110	PETROLEUM COKE
29116	PETROLEUM GASES, LIQUEFIED, MADE IN REFINERIES
28790	PETROLEUM OIL SPRAYS FOR AGRICULTURE
35595	PETROLEUM REFINERY MACHINERY AND EQUIPMENT
22542	PETTICOATS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23412	PETTICOATS, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
25312	PEWS, CHURCH
28343	PHARMACEUTICAL PREPARATIONS ACTING ON THE CARDIOVASCULAR SYSTEM, FOR HUMAN USE
28342	PHARMACEUTICAL PREPARATIONS ACTING ON THE CENTRAL NERVOUS SYSTEM AND THE SENSE ORGANS, FOR HUMAN USE
28345	PHARMACEUTICAL PREPARATIONS ACTING ON THE DIGESTIVE OR THE GENITOURINARY SYSTEM, FOR HUMAN USE
28344	PHARMACEUTICAL PREPARATIONS ACTING ON THE RESPIRATORY SYSTEM, FOR HUMAN USE
28346	PHARMACEUTICAL PREPARATIONS ACTING ON THE SKIN, FOR HUMAN USE
28341	PHARMACEUTICAL PREPARATIONS AFFECTING NEOPLASMS, INDOCRINE SYSTEM AND METABOLIC DISEASES, FOR HUMAN USE
28348	PHARMACEUTICAL PREPARATIONS AFFECTING PARASITIC AND INFECTIVE DISEASES FOR HUMAN USE
28349	PHARMACEUTICAL PREPARATIONS FOR VETERINARY USE
28214	PHENOLICS AND OTHER TAR ACID RESINS
25144	PHONOGRAPH CABINETS, METAL
25111	PHONOGRAPH CABINETS, WOOD, PAINTED OR FINISHED
36795	PHONOGRAPH CARTRIDGES AND PICK-UP, NEEDLES, CUTTING STYLE
36520	PHONOGRAPH RECORDS, RECORD BLANKS AND PRERECORDED TAPES
36514	PHONOGRAPHS AND RECORD PLAYERS
20411	PHOSPHATED FLOUR, DRY MIXES, MADE IN FLOUR MILLS
28197	PHOSPHATES OF SODIUM AND POTASSIUM
28711	PHOSPHATIC FERTILIZER MATERIAL
28194	PHOSPHORIC ACID
28199	PHOSPHORUS AND COMPOUNDS, INORGANIC CHEMICALS
38617	PHOTOCOPY PAPER, HEAT SENSITIVE
38612	PHOTOCOPYING EQUIPMENT
35552	PHOTOENGRAVING AND LITHOGRAPHING PLATEMAKING EQUIPMENT, EXCEPT CAMERA
27930	PHOTOENGRAVING PLATES MADE FOR OTHERS
36410	PHOTOFLASH BULBS
38113	PHOTOGRAMMETRIC EQUIPMENT, EXCEPT CAMERAS
28181	PHOTOGRAPHIC CHEMICALS, CYCLIC
38618	PHOTOGRAPHIC CHEMICALS, PREPARED
38611	PHOTOGRAPHIC EXPOSURE METERS
38617	PHOTOGRAPHIC PAPER AND CLOTH, SENSITIZED, EXCEPT SILVER HALIDE TYPE
38616	PHOTOGRAPHIC PAPER AND CLOTH, SENSITIZED, SILVER HALIDE TYPE
38615	PHOTOGRAPHIC SENSITIZING FILM AND PLATES
35552	PHOTOGRAPHIC TYPESETTING MACHINES
27910	PHOTOGRAPHIC TYPESETTING SERVICES
38311	PHOTOMICROGRAPHIC APPARATUS
26495	PHOTOMOUNTS AND FOLDERS, PAPER
28183	PHTHALIC ANHYDRIDE
38213	PHYSICAL PROPERTIES TESTERS (THICKNESS, WEAR, HARDNESS, ETC.)
31610	PHYSICIANS' BAGS, LEATHER
36930	PHYSIOTHERAPY EQUIPMENT, ELECTRICAL
28181	PHYTOL
25112	PIANO BENCHES AND STOOLS, WOOD FINISHED AND PAINTED
39313	PIANO PARTS (EXCEPT BENCHES)
39311	PIANOS, COMPLETE
20352	PICCALILLI
20352	PICKLED CUCUMBER, FINISHED
20310	PICKLED FISH (INCLUDING SUN DRIED)
20352	PICKLES AND PICKLE PRODUCTS, INCLUDING MIXES, RELISHES, ETC.
20353	PICKLES, UNFINISHED, (SALT STOCK)
34233	PICKS, TOOL
34293	PICNIC CHESTS, JUGS AND COOLERS, INSULATED
30798	PICNIC SUPPLIES, PLASTIC
25117	PICNIC TABLE SETS, WOOD, OUTDOOR
24991	PICTURE FRAMES - WOOD OR METAL
36720	PICTURE TUBES - CATHODE RAY ONLY, INCLUDING REBUILT
24991	PICTURES, FRAMED
20331	PIE MIXES, FRUIT, CANNED
20332	PIE MIXES, PUMPKIN AND SQUASH, CANNED
20455	PIECRUST, DRY MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20415	PIECRUST DRY MIXES (MADE IN FLOUR MILLS)
20514	PIES, DESSERT, NOT FROZEN
20373	PIES, FRUIT AND CUSTARD, FROZEN
20373	PIES, MEAT AND POULTRY, FROZEN
31114	PIG AND HOG LEATHER, FINISHED
33121	PIG IRON, PRODUCED BY BLAST FURNACE
28153	PIGMENT, SYNTHETIC, ORGANIC
28163	PIGMENTS, WHITE EXTENDER, BARYTES, BLANC FIXE, WHITING, IRON OXIDE, COLORED LEAD, IRON BLUE, PEAR ESSENCE, BONE AND LAMP BLACK
28161	PIGMENTS OF TITANIUM
28162	PIGMENTS OF ZINC OXIDE, LITHOPONE, ANTIMONY OXIDE, PURE ZINC SULFIDE
22116	PILE FABRICS, COTTON (GRAY GOODS)
22211	PILE, UPHOLSTERY, 100% FILAMENT RAYON OR ACETATE (GRAY GOODS)
22710	PILE, WOVEN, WOOL OR CHIEFLY WOOL SYNTHETIC
32722	PILING, POSTS AND POLES, PRECAST CONCRETE
24110	PILING, WOOD - MADE IN A LOGGING CAMP
22112	PILLOW AND INDUSTRIAL TUBING, COTTON (GRAY GOODS)
22118	PILLOWCASES, COTTON, MADE IN BROADWOVEN FABRIC MILLS
23928	PILLOWCASES, MADE FROM PURCHASED FABRIC
22219	PILLOWCASES, OF MANMADE FIBER FABRICS: MADE IN BROADWOVEN FABRIC MILL
30693	PILLOWS, LATEX FOAM RUBBER
23920	PILLOWS, MADE FROM PURCHASED FABRIC OR RUBBER, INCLUDING FOAM RUBBER
36220	PILOT CIRCUIT DEVICES
38111	PILOTS, AUTOMATIC AIRCRAFT, ETC., INSTRUMENTS
20332	PIMIENTOS, CANNED
22114	PIN CHECKS OR STRIPES, COTTON, MADE OF COLORED YARN FABRICS (GRAY GOODS)
23392	PINAFORES, WOMEN'S AND MISSES' WASHABLE SERVICE APPAREL
39992	PINBALL MACHINES
28611	PINE OIL
28611	PINE TAR AND PINE TAR OIL
34211	PINKING SHEARS
34521	PINS, COTTER AND EJECTOR FERROUS AND NONFERROUS
39642	PINS, NEEDLES, FASTENERS, EXCEPT SLIDE FASTENERS
24995	PINS, WOODEN, SUCH AS CLOTHES, DOWEL, ETC.
33212	PIPE, FITTINGS, CAST IRON, PRESSURE
32591	PIPE AND FITTINGS, CLAY VITRIFIED (SEWER PIPE)
34980	PIPE AND FITTINGS, FABRICATED MADE FROM PURCHASED PIPE
33512	PIPE AND TUBE, COPPER, ALLOYED AND UNALLOYED, ROLLED, DRAWN AND EXTRUDED
33560	PIPE AND TUBING, NICKEL, ROLLED, DRAWN, AND EXTRUDED IN A NONFERROUS METAL MILL
26461	PIPE, BITUMINOUS FIBRE
33213	PIPE, CAST IRON, SOIL, AND FITTINGS, GRAY IRON
39999	PIPE CLEANERS
32721	PIPE, CONCRETE
32927	PIPE, CONDUITS AND DUCTS, ASBESTOS
34443	PIPE, FURNACE AND STOVE, OF SHEET METAL
34945	PIPE HANGERS AND PIPE SUPPORTS
32933	PIPE INSULATION, CONTAINING ASBESTOS AND MAGNESIA, ETC.
32962	PIPE INSULATION, MINERAL WOOL
39312	PIPE ORGANS, COMPLETE
30796	PIPE, PLASTICS, CONSTRUCTION, (INCLUDING DRAIN TILE, SEWER PIPE PRESSURE PIPE)
33176	PIPE, STEEL, NOT MADE IN STEEL MILL
33126	PIPE, STEEL, PRODUCED IN STEEL MILL
33560	PIPE TUBING, TRAPS AND BENDS, LEAD, ROLLED, DRAWN OR EXTRUDED IN A NONFERROUS METAL MILL
24318	PIPE, WOOD
39999	PIPES, TOBACCO
22115	PIQUES, FINE COTTON GOODS, BROADWOVEN (GRAY GOODS)
19512	PISTOLS, REVOLVERS AND PARTS
19990	PISTOLS, DEPTH CHARGE RELEASE
35991	PISTONS AND RINGS, ALL TYPES
28155	PITCH, TAR (COAL) CRUDE
29522	PITCH, ROOFING, COAL TAR
35613	PITCHER PUMPS
34293	PITCHERS AND SERVERS, VACUUM
23920	PLACE MATS AND SETS, MADE FROM PURCHASED FABRICS
26495	PLACE MATS, PAPER
35418	PLANERS (METAL-CUTTING)
35482	PLANERS AND ROUTERS, POWER-DRIVEN HANDTOOL
35532	PLANERS AND SHAPERS, WOODWORKING MACHINES FOR HOME WORKSHOPS
34332	PLANES, CARPENTERS EDGE TOOL, HAND OPERATED
38112	PLANETARIUMS, ASSEMBLED
38113	PLANIMETERS
35531	PLANING AND SURFACING MACHINES, EXCEPT HANDHELD-WOODWORKING MACHINERY OTHER THAN FOR HOME USE
24995	PLANKS, EXTENSION, WOODEN
35223	PLANTING, SEEDING AND FERTILIZING MACHINERY
35319	PLANTS FOR CRUSHING, SCREENING, WASHING, PORTABLE FOR CONSTRUCTION WORK
32690	PLAQUES, POTTERY
35316	PLASTER MIXERS, ALSO MORTAR
32751	PLASTERS, BUILDING GYPSUM
32752	PLASTERS, INDUSTRIAL GYPSUM
35593	PLASTIC DIES, EXCEPT MOLDS
28211	PLASTIC FILMING, SHEETS, SHEETING, UNSUPPORTED, EXCEPT FOAM PRODUCED FROM RESINS MADE IN THIS PLANT
32970	PLASTIC REFRACTORIES AND RAMMING MIXES, WET AND DRY TYPE, NONCLAY
32550	PLASTIC REFRACTORIES, CLAY, WET AND DRY TYPES
36442	PLASTIC WIRING DEVICES AND SUPPLIES - NONCURRENT CARRYING
28183	PLASTICIZERS, CYCLIC AND ACYCLIC
28183	PLASTIZICERS, SYNTHETIC ORGANIC
26432	PLASTICS BAGS AND LINERS (UNSUPPORTED ACETATE, VINYL, POLYESTER FILMS, ETC.)
30792	PLASTICS, BUOYS AND FLOATS
30795	PLASTICS COMPONENTS, HOUSINGS, ACCESSORIES AND PARTS, TRANSPORTATION EQUIPMENT
39962	PLASTICS COVERING FOR WALL, FLOOR, AND COUNTER
30792	PLASTICS DECORATIONS
30797	PLASTICS DINNERWARE, TABLEWARE, AND KITCHENWARE
22690	PLASTICS FILM, PRINTED (FILM PURCHASED ELSEWHERE)
30791	PLASTICS FILM, SHEETS, SHEETING, UNSUPPORTED, EXCEPT FOAM, MADE FROM PURCHASED RESINS
30792	PLASTICS FOAMED PRODUCTS
30794	PLASTICS FOAMED PROTECTIVE SHIPPING PADS AND SHAPED PACKAGING
30795	PLASTICS GEARS, BEARINGS, BUSHINGS AND CAMS, INDUSTRIAL
30795	PLASTICS HARDWARE, CUSTOM-MADE
30798	PLASTICS HARDWARE, EXCEPT CUSTOM-MADE

Code	Product
25190	PLASTICS HOUSEHOLD FURNITURE
30792	PLASTICS INSULATION
30797	PLASTICS KITCHENWARE, TABLEWARE, DINNERWARE
22953	PLASTICS LAMINATED SHEETS, ON A TEXTILE OR RANDOM FIBER - LIGHT OR HEAVY WEIGHT FABRIC
30793	PLASTICS LAMINATED, SHEETS, RODS, AND TUBES
30796	PLASTICS PLUMBING FIXTURES AND PARTS
30796	PLASTICS PRODUCTS, CONSTRUCTION
30795	PLASTICS PRODUCTS, INDUSTRIAL
30798	PLASTICS PRODUCTS, CONSUMER AND COMMERCIAL, INCLUDING FLOWER BOXES, GARDEN HOSE, AND PICNIC SUPPLIES
23850	PLASTICS RAINCOATS AND RAIN CAPES
30797	PLASTICS SALT AND PEPPER SHAKERS
30791	PLASTICS SHEETS AND SHEETING, UNSUPPORTED, FROM PURCHASED RESINS
28211	PLASTICS SHEETS AND SHEETING, UNSUPPORTED, PRODUCED FROM RESINS MADE IN THIS PLANT
30794	PLASTICS SHIPPING AND PACKAGING CONTAINERS
30797	PLASTICS SQUEEZE BOTTLES FOR CATSUP, MUSTARD, ETC.
30791	PLASTICS STOCK SHAPES, UNSUPPORTED FROM PURCHASED RESINS
28211	PLASTICS STOCK SHAPES, UNSUPPORTED, MADE FROM RESINS PRODUCED IN THIS ESTABLISHMENT
30797	PLASTICS TABLEWARE, KITCHENWARE, DINNERWARE
30798	PLASTICS UTILITY CONTAINERS
28993	PLASTICS WOOD PREPARATIONS
35593	PLASTICS-WORKING MACHINERY AND EQUIPMENT, EXCEPT PATTERNS AND MOLDS
26312	PLATE, DISH AND FOOD SERVING STOCK, BLEACHED PACKAGING, SOLID WOOD PULP FURNISH
32114	PLATE GLASS BLANKS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32112	PLATE GLASS, INCLUDING COLORED, FROM GLASS BLANKS PRODUCED IN SAME ESTABLISHMENT
32113	PLATE GLASS, LAMINATED, MADE FROM GLASS PRODUCED IN SAME ESTABLISHMENT
32313	PLATE GLASS, LAMINATED, MADE FROM PURCHASED GLASS
32316	PLATE GLASS, MADE OF PURCHASED GLASS
32315	PLATE GLASS MIRRORS - MADE FROM PURCHASED GLASS
33560	PLATE, SHEET AND STRIP, LEAD, ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
33560	PLATE, SHEET AND STRIP, NICKEL ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
34432	PLATE, STEEL, FABRICATED
39141	PLATED WARE, SILVERWARE, STAINLESS STEELWARE
35552	PLATEMAKING EQUIPMENT, PHOTOENGRAVING AND LITHOGRAPHING, EXCEPT CAMERAS
26462	PLATES AND DISHES, MOLDED PULP
27940	PLATES - DUPLICATE, FOR LETTERPRESS - ELECTROTYPING, STEREOTYPING AND MATRIXES, ONLY
27530	PLATES, DUPLICATES FOR LETTERPRESS (INCLUDING RUBBER AND ALL OTHER EXCEPT ELECTROTYPING, STEREOTYPING, AND MATRIXES)
32316	PLATES, GLASS, FLUORESCENT LIGHTING FIXTURES, FROM PURCHASED GLASS
27518	PLATES, GRAVURE, ROTOGRAVURE, MADE FOR OTHERS
27527	PLATES, LITHOGRAPHIC, MADE FOR OTHERS
26543	PLATES, PAPER, FOOD SERVING, STAMPED
26543	PLATES, PAPER, STAMPED
27930	PLATES, PHOTOENGRAVING, MADE FOR OTHERS
38615	PLATES, PHOTOGRAPHIC, GLASS
27530	PLATES, PRINTING AND ENGRAVING
24995	PLATES, WOODEN
37150	PLATFORM TRAILER, TRUCK
25210	PLATFORMS AND STAND ATTACHMENTS, WOOD OFFICE FURNITURE
28993	PLATING COMPOUNDS
34710	PLATING, POLISHING, ELECTROPLATING, ANODIZING, COLORING
33395	PLATINUM, PRIMARY SMELTING ALLOYED AND UNALLOYED
33415	PLATINUM, SECONDARY SMELTING AND REFINING, ALLOYED AND UNALLOYED
23699	PLAY GARMENTS, GIRLS'' AND CHILDREN'S, CONTRACT RECEIPTS
23690	PLAY GARMENTS, GIRLS'' AND INFANTS'', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22533	PLAY GARMENTS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
31411	PLAY SHOES FOR MEN
31414	PLAY SHOES FOR WOMEN
25116	PLAY YARDS, WOOD, PAINTED OR FINISHED
39493	PLAYGROUND EQUIPMENT
25144	PLAYPENS, BABY, METAL
25116	PLAYPENS, WOOD, PAINTED OR FINISHED
23690	PLAYSHORTS, GIRLS', AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23393	PLAYSHORTS AND PLAYSUITS, WOMEN'S AND MISSES'
23690	PLAYSUITS, GIRLS'', WOMEN'S, AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
27518	PLAYING CARDS, GRAVURE PRINTED
27526	PLAYING CARDS, PRINTED BY LITHOGRAPH
27516	PLAYING CARDS, PRINTED BY LETTERPRESS
23959	PLEATING FOR THE TRADE (CONTRACT RECEIPTS)
22211	PLIED YARN FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
22822	PLIED YARNS, OTHER THAN WOOL (NOT SPUN OR THROWN AT SAME ESTABLISHMENT)
34231	PLIERS
38430	PLIERS, DENTAL
35224	PLOWS, LISTERS, AND ATTACHMENTS
36430	PLUGS, ELECTRIC
34944	PLUMBING AND HEATING VALVES, EXCEPT PLUMBERS' BRASS GOODS
34320	PLUMBING FIXTURES, FITTINGS AND TRIM, BRASS GOODS
32610	PLUMBING FIXTURES AND ACCESSORIES, VITREOUS CHINA, CHINA, EARTHENWARE
30796	PLUMBING FIXTURES AND PARTS, PLASTIC
34310	PLUMBING FIXTURES, METAL AND ENAMELED IRON
39620	PLUMES, FEATHERS AND ARTIFICIAL FLOWERS
22116	PLUSHES, COTTON (GRAY GOODS)
22829	PLYING OF YARN, EXCEPT WOOL NOT SPUN OR THROWN AT THE SAME ESTABLISHMENT (COMMISSION RECEIPTS)
24430	PLYWOOD CONTAINERS, EXCEPT BOXES AND CRATES
24321	PLYWOOD, HARDWOOD
35531	PLYWOOD-MAKING MACHINERY
24324	PLYWOOD, NONWOOD FACE FROM PURCHASED PLYWOOD
24324	PLYWOOD, PREFINISHED, EXCEPT PARTICLEBOARD, FROM PURCHASED PLYWOOD
24324	PLYWOOD PRODUCTS, EXCEPT PARTICLEBOARD, INCLUDING TWO PLY OR SINGLE PLY VENEER, BACKED AND/OR FACED FROM PURCHASED PLYWOOD
24323	PLYWOOD, SOFTWOOD, EXTERIOR
24322	PLYWOOD, SOFTWOOD, INTERIOR
24324	PLYWOOD TYPE PRODUCTS, EXCEPT PARTICLEBOARD - FROM PURCHASED PLYWOOD
24326	PLYWOOD VENEER, SOFTWOOD
30113	PNEUMATIC TIRES, OTHER THAN PASSENGER CAR, MOTORCYCLE, BUS, TRUCK, AND OFF-THE-HIGHWAY TYPES
34942	PNEUMATIC VALVES, ALL PRESSURES
34211	POCKET KNIVES AND OTHER FOLDING-BLADE KNIVES
38715	POCKET WATCHES, DOMESTIC MOVEMENTS
28421	POISONS, RODENT
38311	POLARISCOPE
37150	POLE AND LOGGING TRUCK TRAILER
36441	POLE-LINE AND TRANSMISSION HARDWARE-NONCURRENT-CARRYING DEVICES
25911	POLES, AND FIXTURES, CURTAIN AND DRAPERY, FABRICATED IN THIS PLANT
36425	POLES FOR STREET AND HIGHWAY LIGHTING, ALSO LAMPHOLDERS
24110	POLES, WOOD, MADE IN A LOGGING CAMP
24911	POLES, WOOD OWNED AND TREATED BY THIS ESTABLISHMENT
28424	POLISH FOR AUTOS, FURNITURE, FLOORS, METAL, SHOES, LEATHER
32114	POLISHED GLASS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
35414	POLISHING AND BUFFING MACHINES (GRINDING MACHINE)
23920	POLISHING AND DUSTING CLOTHS, PLAIN
35892	POLISHING AND WAXING MACHINES, FLOOR, COMMERCIAL AND INDUSTRIAL
28424	POLISHING CLOTHS AND PAPERS, CHEMICALLY TREATED
34710	POLISHING, ELECTROPLATING, PLATING, ANODIZING, COLORING
36393	POLISHING MACHINES, FLOOR, (HOUSEHOLD)
28424	POLISHING PREPARATIONS
23612	POLO SHIRTS, KNIT, GIRLS' AND CHILDREN'S, ALSO TENNIS, T, AND SWEAT, MADE FROM PURCHASED FABRIC
22532	POLO SHIRTS, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	POLO SHIRTS, MEN'S AND BOYS'', MADE FROM PURCHASED KNIT FABRICS
23312	POLO SHIRTS, WOMEN'S, MISSES'', AND JUNIORS'', MADE FROM PURCHASED KNIT FABRIC
28241	POLYAMIDE FIBERS, NYLON, EXCEPT MONOFILAMENTS
28213	POLYAMIDE RESINS, NYLON THERMOPLASTIC
28213	POLYCARBONATE RESINS THERMOPLASTIC
22212	POLYESTER AND OTHER FILAMENT COMBINATIONS FABRIC, GRAY GOODS
22214	POLYESTER BLENDS WITH COTTON ONLY, 100% SPUN FABRIC, GRAY GOODS
22212	POLYESTER FABRICS, 100% FILAMENT, INCLUDING TAFFETAS, TWILLS, SATINS, NINONS MARQUISETTES AND INDUSTRIAL TYPE
28242	POLYESTER FIBERS, STAPLE, TOW AND YARN
28214	POLYESTER RESINS, INCLUDING DIALLYLPHTHALATE
22212	POLYESTER STRETCH FABRICS, 100% FILAMENT, GRAY GOODS
26416	POLYETHYLENE COATED PAPER
28242	POLYETHYLENE FIBERS MONOFILAMENTS
28213	POLYETHYLENE RESINS THERMOPLASTIC
26416	POLYETHYLENE LAMINATED OR COATED TO MATERIALS OTHER THAN FOIL, ROLL AND SHEETS, PLAIN OR PRINTED
28211	POLYETHYLENE, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
28182	POLYHYDRIC ALCOHOLS
28213	POLYPROPYLENE RESINS, THERMOPLASTIC
28211	POLYPROPYLENE, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
28211	POLYSTYRENE, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
28214	POLYURETHANE RESIN
28242	POLYVINYL ACETATE FIBERS
28242	POLYVINYLIDENE CHLORIDE FIBERS, STAPLE, TOW, AND YARN
22115	PONGEES, FINE COTTON, GRAY GOODS, BROADWOVEN
37291	PONTOONS, AIRCRAFT
39493	POOL AND BILLIARD TABLES
34943	POP SAFETY VALVES AND RELIEF VALVES FOR PIPING SYSTEMS
34944	POP SAFETY VALVES FOR PLUMBING AND HEATING, EXCEPT PLUMBERS' BRASS GOODS
20713	POPCORN, CANDIED
20999	POPCORN, EXCEPT CANDIED, POPPED AND UNPOPPED
22112	POPLINS, CARDED COTTON, (GRAY GOODS)
22115	POPLINS, COMBED, FINE COTTON GOODS (GRAY GOODS)
22216	POPLINS, COMBINATION FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22113	POPLINS, COTTON PRINT CLOTH, WRAP YARN (GRAY GOODS)
32690	PORCELAIN ELECTRICAL PRODUCTS
24318	PORCH COLUMNS, RAILS, AND NEWELS, WOOD
25143	PORCH FURNITURE, METAL
25190	PORCH FURNITURE, RATTAN, REED, CANE
25117	PORCH FURNITURE, WOODEN, OUTDOOR
25912	PORCH SHADES, BLINDS, EXCEPT CANVAS
20323	PORK AND BEANS, CANNED, INCLUDING BAKED
20114	PORK, FRESH AND FROZEN
20114	PORK, PRIMAL CUTS, INCLUDING TRIMMINGS, MADE IN SLAUGHTERING PLANTS
20116	PORK, PROCESSED, OR CURED IN MEATPACKING PLANT, CANNED OR MADE INTO SAUSAGE
20136	PORK, PROCESSED OR CURED, NOT CANNED OR MADE INTO SAUSAGE, NOT MADE IN MEATPACKING PLANT
20117	PORK ROLL, NOT CANNED, MADE IN MEATPACKING PLANT
20137	PORK ROLL, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20136	PORK, SMOKED (NOT OTHERWISE COOKED) NOT CANNED OR MADE INTO SAUSAGE, NOT PROCESSED IN MEATPACKING PLANT
20116	PORK, SMOKED (NOT OTHERWISE COOKED) NOT CANNED, OR MADE INTO SAUSAGE, PROCESSED IN MEATPACKING PLANT
20114	PORK, VARIETY MEATS AND EDIBLE ORGANS, EXCEPT SAUSAGE AND CANNED, MADE IN MEATPACKING PLANT
20114	PORK, WHOLE CARCASS
36427	PORTABLE LAMPS, FIXTURES, RESIDENTIAL, EXCEPT BULB
36511	PORTABLE RADIOS, HOME-TYPE
20820	PORTER BEER, CANS, BOTTLES, BARRELS, AND KEGS
32410	PORTLAND CEMENT
26215	POST CARD, BLEACHED BRISTOLS
27516	POST CARDS, PICTURE, PRINTED BY LETTERPRESS
27413	POST CARDS, PICTURE, PUBLISHED
27526	POST CARDS, PICTURE, SOUVENIR, PRINTED BY LITHOGRAPHIC
35319	POST HOLE DIGGERS, POWER
36425	POST TOP LIGHTING EQUIPMENT, DECORATIVE (EXCEPT PARTS, ACCESSORIES, AND BULBS)
35791	POSTAGE METERS
35811	POSTAGE STAMP COIN-OPERATED VENDING MACHINES
26452	POSTED PAPERBOARD
26214	POSTER PAPER, UNCOATED
27515	POSTERS PRINTED BY LETTERPRESS
20263	POT CHEESE

Code	Product
28197	POTASSIUM, AND SODIUM COMPOUNDS, EXCEPT BLEACHES, ALKALIES, ALUMS
28124	POTASSIUM CARBONATE
28124	POTASSIUM HYDROXIDE, CAUSTIC POTASH
20992	POTATO CHIPS OR STICKS, PLAIN OR FLAVORED, BAGGED OR CANNED
35225	POTATO DIGGERS AND HARVESTERS
20999	POTATOES, JULIENNE STYLE (INCLUDING FRENCH FRIED)
20332	POTATOES, SWEET AND WHITE, CANNED
32550	POTTERS' SUPPLIES, CLAY REFRACTORIES
32690	POTTERY, ART, DECORATIVE, NOVELTY BOOK ENDS, ASHTRAYS
32690	POTTERY, GARDEN
32690	POTTERY WARE, CHEMICAL, TECHNICAL, AND INDUSTRIAL
31720	POUCHES, TOBACCO
35513	POULTRY AND MEATPACKING MACHINERY, INCLUDING PARTS AND ATTACHMENTS
20154	POULTRY, CANNED, EXCEPT SOUPS
20155	POULTRY, DRESSED AND PACKED, EXCEPT CHICKEN AND TURKEY
35228	POULTRY EQUIPMENT, FARM, INCLUDING ATTACHMENTS
20421	POULTRY FEED, PREPARED, COMPLETE, SUPPLEMENTS AND CONCENTRATES
20373	POULTRY, FROZEN
20373	POULTRY PIES, FROZEN
20942	POULTRY REFUSE, FERTILIZER-WET OR DRY
20994	POWDER, BAKING
28445	POWDER, CREAM, SACHET, AND PASTE
28445	POWDER, LIQUID AND COMPACT FOR WET APPLICATIONS
23990	POWDER PUFFS - FROM PURCHASED FABRIC
28921	POWDER, SMOKELESS AND BLASTING, INDUSTRIAL
28445	POWDER, TALCUM, TOILET, FACE
20231	POWDERED CREAM AND MILK
20620	POWDERED SUGAR - CONFECTIONER'S, CANE
33991	POWDERS OF METAL, PRIMARY
36131	POWER AND GROUND CONNECTORS GENERALLY USED IN SUBSTATION CONSTRUCTION
34433	POWER BOILERS, STATIONARY, STEEL, WATER OR FIRE TUBE (OVER 15 P.S.I. STEAM WORKING PRESSURE)
36132	POWER CIRCUIT BREAKERS (ALL VOLTAGES)
35314	POWER CRANE ATTACHMENTS INCLUDING BUCKETS, GRAPPLES, SLINGS, ETC.
35314	POWER CRANE, DRAGLINE AND SHOVEL ATTACHMENTS (FRONT END), BUCKETS, GRAPPLES, AND SLINGS
35314	POWER CRANES, INCLUDING LOCOMOTIVE FULL CIRCLE, REVOLVING WITH BOOMS, ALSO DRAGLINES, SHOVELS AND PARTS
35482	POWER-DRIVEN HANDTOOLS, INCLUDING PARTS AND ATTACHMENTS
36131	POWER FUSES AND FUSE LINKS
36123	POWER REGULATORS, BOOSTERS, AND REACTORS AND TRANSFORMER PARTS
36795	POWER SUPPLIES FOR ELECTRONIC APPLICATOR
36131	POWER SWITCHING EQUIPMENT
37291	POWER TAKEOFF GEARS, AIRCRAFT
34942	POWER TRANSFER VALVES INCLUDING HYDRAULIC AND PNEUMATIC, ALL PRESSURES (EXCEPT AIRCRAFT)
36122	POWER TRANSFORMERS
35662	POWER-TRANSMISSION-MECHANICAL, EXCEPT MARINE, AUTO, AND AIRCRAFT
33578	POWER WIRE AND CABLE
35370	POWERED TRUCKS AND TRACTORS, ELECTRIC OR GASOLINE, INDUSTRIAL
32410	POZZOLAN (SLAG LIME)
27314	PRAYER BOOKS
23890	PRAYER SHAWLS
36515	PREAMPLIFIERS AND AMPLIFIERS
32722	PRECAST CONCRETE PRODUCTS
33395	PRECIOUS METALS, ALLOYED AND UNALLOYED, PRIMARY SMELTING
33560	PRECIOUS METALS, INCLUDING GOLD, SILVER AND PLATINUM, ROLLED, DRAWN AND EXTRUDED IN A NONFERROUS METAL MILL
33415	PRECIOUS METALS, SECONDARY REFINING PIG, INGOT, SHOT, ALLOY, AND UNALLOY
35452	PRECISION MEASURING TOOLS, MACHINISTS'
34812	PRECISION MECHANICAL SPRINGS
24332	PRECUT BUILDINGS AND PARTS, WOOD
34492	PREFABRICATED AND PORTABLE METAL BUILDING AND PARTS
24332	PREFABRICATED BUILDINGS, WOOD, SOLD AS COMPLETE UNITS
24332	PREFABRICATED WOOD PARTS FOR BUILDINGS NOT SOLD AS COMPLETE UNITS
26462	PREPACKAGING TRAYS AND BOARDS, FOOD-PRESSED AND MOLDED PULP GOODS
20353	PREPARED MUSTARD
38618	PREPARED PHOTO CHEMICALS
28518	PRESERVATIVES, WOOD AND TEXTILE
20338	PRESERVES-DIETETIC
20338	PRESERVES, FRUIT, PURE
24919	PRESERVING WOOD, CONTRACT RECEIPTS (I.E., PRESERVING OF WOOD OWNED BY OTHER ESTABLISHMENTS)
24911	PRESERVING, WOOD, OWNED AND TREATED BY SAME ESTABLISHMENT
28423	PRESHAVE PREPARATIONS AND STYPTICS
33919	PRESS, AND HAMMER STEEL FORGINGS FROM PURCHASED MATERIALS
33129	PRESS AND HAMMER STEEL FORGINGS, FROM STEEL MILLS
35441	PRESS DIES
26219	PRESSBOARD, INCLUDING IMITATION PRESSBOARD, SPECIAL INDUSTRIAL
24996	PRESSBOARD, WOOD FIBER
35820	PRESSES, COMMERCIAL LAUNDRIES
35551	PRESSES, GRAVURE, SHEET-FED AND WEB-FED
35551	PRESSES, LETTER, ROLL, WEB-FED, ROTARY AND SHEET-FED
35422	PRESSES, METALWORKING, INCLUDING FORGING PRESSES
35551	PRESSES, OFFSET
35551	PRESSES, PRINTING
35820	PRESSING MACHINES INCLUDING TAILOR-TYPE PRESSES, COMMERCIAL
33610	PRESSURE COOKERS, CAST ALUMINUM, EXCEPT STEAM COMMERCIAL AND ELECTRIC
35891	PRESSURE COOKERS, COMMERCIAL
38213	PRESSURE INSTRUMENTS, INDUSTRIAL PROCESS
32721	PRESSURE PIPE, CONCRETE
26414	PRESSURE SENSITIVE LABELS (UNPRINTED)
26414	PRESSURE SENSITIVE TAPES, INCLUDING PAPER, CLOTH, AND PLASTIC BACKING EXCLUDING RUBBER
34435	PRESSURE TANKS, METAL INCLUDING ANHYDROUS AMMONIA, STANDARD LINE
34943	PRESSURE VALVES, IRON AND STEEL FOR PIPING SYSTEMS
34439	PRESSURE VESSELS AND TANKS, METAL, CUSTOM FABRICATED AND FIELD ERECTED
34438	PRESSURE VESSELS AND TANKS, METAL CUSTOM FABRICATED AT THE FACTORY
32723	PRESTRESSED CONCRETE PRODUCTS, FABRICATED BUILDING MEMBERS OR COMPONENTS
20521	PRETZELS
36920	PRIMARY BATTERIES, DRY AND WET, INCLUDING PARTS AND SUPPLIES
36214	PRIME MOVER GENERATOR SETS, EXCEPT STEAM AND HYDRAULIC TURBINE (EXCLUDE PARTS AND SUPPLIES FOR SUCH ITEMS)
19291	PRIMERS, FOR ARTILLERY AMMUNITION OVER 30 MM. (OR OVER 1.18 INCHES)
22113	PRINT CLOTHS, COTTON (GRAY GOODS) BROADWOVEN
36795	PRINTED CIRCUIT BOARDS
26213	PRINTING AND CONVERTING PAPER COATED ONE OR TWO SIDES
27515	PRINTING ADVERTISING BY LETTERPRESS
22619	PRINTING AND FINISHING OF BROADWOVEN COTTON FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
22629	PRINTING AND FINISHING OF MANMADE FIBER AND SILK, BROADWOVEN FABRICS ON A COMMISSION (CONTRACT, ETC.) BASIS
27311	PRINTING AND PUBLISHING OF TEXTBOOKS
27518	PRINTING BY GRAVURE OF LABELS, WRAPPERS, ADVERTISING PRINTING, FINANCIAL AND LEGAL PRINTING
27517	PRINTING BY GRAVURE OF NEWSPAPERS, SHOPPING NEWS, MARKET CIRCULARS, MAGAZINES, PERIODICALS, CATALOGS, DIRECTORIES AND COMIC SUPPLEMENTS
27519	PRINTING BY SCREEN PROCESS, EXCEPT TEXTILES
28930	PRINTING INK
27525	PRINTING OF ADVERTISING BY LITHOGRAPHIC PROCESS
27514	PRINTING OF BANK CHECKS BY LETTERPRESS
27523	PRINTING OF CATALOGS, DIRECTORIES BY LITHOGRAPHIC
27513	PRINTING OF CATALOGS AND DIRECTORIES BY LETTERPRESS
27524	PRINTING OF FINANCIAL AND LEGAL FORMS BY LITHOGRAPHIC PROCESS
27514	PRINTING OF FINANCIAL AND LEGAL FORMS BY LETTERPRESS
27522	PRINTING OF LABELS AND WRAPPERS BY LITHOGRAPHIC
27512	PRINTING OF LABELS AND WRAPPERS BY LETTERPRESS
27521	PRINTING OF MAGAZINES, PERIODICALS, SUNDAY COMIC SUPPLEMENTS BY LITHOGRAPHIC
27526	PRINTING OF NEWSPAPERS BY LITHOGRAPHIC PROCESS
27613	PRINTING OF SALES AND MANIFOLD BOOKS
22617	PRINTING ON COTTON FROM BROADWOVEN PURCHASED FABRICS
22117	PRINTING ON COTTON MADE IN BROADWOVEN FABRIC MILL
22628	PRINTING ON MANMADE FIBER OR SILK BROADWOVEN PURCHASED FABRIC
27516	PRINTING ON METAL, BY LETTERPRESS
22218	PRINTING ON MANMADE FIBER OR SILK MADE IN BROADWOVEN FABRIC MILL
27526	PRINTING ON METAL BY LITHOGRAPHIC PROCESS
26411	PRINTING PAPER, COATED AT ESTABLISHMENTS NOT PRODUCING PAPER
35551	PRINTING PRESSES
27214	PROFESSIONAL PERIODICAL PUBLISHING ADVERTISING, RECEIPTS
27213	PROFESSIONAL PERIODICAL PUBLISHING, RECEIPTS FROM SUBSCRIPTION AND SALES
27313	PROFESSIONAL, TECHNICAL, SCIENTIFIC BOOKS
28341	PROGESTERONE
38613	PROJECTORS, MOTION PICTURE
38611	PROJECTORS, SLIDE AND STRIP FILM
32530	PROMENADE TILE
28922	PROPELLANTS PRODUCED IN GOVERNMENT OWNED CONTRACTOR OPERATED PLANTS
28921	PROPELLANTS, SMOKELESS POWDER, INDUSTRIAL
37295	PROPELLERS, AIRCRAFT, INCLUDING PROPELLER PARTS
30697	PROPHYLACTICS, (MEDICAL)
37225	PROPULSION UNITS AND/OR ENGINES FOR MISSILES OR SPACE VEHICLES
38421	PROSTHETIC, SURGICAL ORTHOPEDIC, APPLIANCES AND SUPPLIES
38423	PROTECTIVE CLOTHING
28242	PROTEIN FIBERS - STAPLE AND TOW
34211	PRUNERS (EXCEPT ELECTRIC)
34211	PRUNERS SHEARS, INCLUDING HEDGE AND GRASS, EXCEPT ELECTRIC
36515	PUBLIC ADDRESS SYSTEMS
25312	PUBLIC BUILDING AND RELATED FURNITURE, EXCEPT SCHOOL FURNITURE
27412	PUBLICATIONS, BUSINESS SERVICE
27311	PUBLISHING AND PRINTING OF TEXT BOOKS
27711	PUBLISHERS SALES OF GREETING CARDS
27413	PUBLISHING SHEET MUSIC
27413	PUBLISHING OF MAPS, CHARTS, ATLASES, GAZETTEERS, GLOBE COVERS, SHOPPING NEWS, SHEET MUSIC
20117	PUDDINGS, MEAT, NOT CANNED, MADE IN MEATPACKING PLANT
20137	PUDDINGS, MEAT, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20110	PULLED WOOL
22531	PULLOVER SWEATERS, KNIT, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23690	PULLOVERS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM PURCHASED KNIT FABRICS
26112	PULP AND PULPMILL BYPRODUCTS, EXCEPT TALL OIL AND SPECIAL ALPHA AND DISSOLVING WOODPULP
26461	PULP GOODS, PRESSED AND MOLDED, CONDUIT, PIPE, AND FITTINGS
26112	PULP LIQUOR
25312	PULPITS, CHURCH FURNITURE
35540	PULPMILL BLEACHING EQUIPMENT
26112	PULPMILL BYPRODUCTS, EXCEPT TALL OIL
26112	PULPMILL COOKING LIQUOR BYPRODUCTS (SKIMMINGS, BINDERS AND FUEL)
35540	PULPMILL MACHINERY
24110	PULPWOOD
26111	PULPWOOD, SPECIAL ALPHA AND DISSOLVING
35224	PULVERIZERS, FARM MACHINERY, INCLUDING ATTACHMENTS
35319	PULVERIZERS AND GRINDERS, PORTABLE
35322	PULVERIZING, CRUSHING AND SCREENING PLANTS, STATIONARY FOR MINING
35663	PULLEYS, FOR MECHANICAL POWER-TRANSMISSION EQUIPMENT, EXCEPT AUTO, MARINE, AND AIRCRAFT
35333	PUMPING UNITS AND ACCESSORIES OILFIELD AND GASFIELD ROD LIFTING MACHINERY
20332	PUMPKIN AND SQUASH, INCLUDING PIE MIX, CANNED
35613	PUMPS AND DOMESTIC WATER SYSTEMS
35612	PUMPS, AND MOTORS HYDRAULIC FLUID POWER
35616	PUMPS AND PUMPING EQUIPMENT, PARTS AND ATTACHMENTS ONLY
35860	PUMPS, FILLING STATIONS
35860	PUMPS, GASOLINE AND OIL DISPENSING
35611	PUMPS, INDUSTRIAL, EXCEPT HYDRAULIC FLUID POWER
35860	PUMPS, MEASURING AND DISPENSING
35615	PUMPS, OIL BURNER, APPLIANCE, FIRE ENGINE
35615	PUMPS, OIL WELL AND OILFIELD
35613	PUMPS, WINDMILL
20371	PUNCH, FRUIT, FROZEN
35731	PUNCHCARD SYSTEM MACHINES
34232	PUNCHES, EDGETOOL, HAND OPERATED
35441	PUNCHES, METALWORKING
35421	PUNCHING AND SHEARING MACHINES, METALWORKING USE
39493	PUNCHING BAGS
32950	PUMICE, GROUND OR OTHERWISE TREATED
28345	PURGATIVES, PHARMACEUTICAL FOR HUMAN USE
31710	PURSES, LADIES' AND CHILDREN'S, ANY MATERIAL EXCEPT PRECIOUS METAL
28518	PUTTIES FOR WOOD OR METAL
28518	PUTTY, GLAZING AND CAULKING COMPOUNDS
39410	PUZZLES AND GAMES
38213	PYROMETERS AND THERMOMETERS
28993	PYROTECHNICS AND FIREWORKS

Code	Product
19990	PYROTECHNIC PISTOLS AND PARTS
22951	PYROXYLIN-COATED FABRICS ON A TEXTILE BASE - LIGHT AND HEAVY COTTON SHADE CLOTH AND OTHER FABRICS
32530	QUARRY TILE AND PROMENADE TILE
32740	QUICKLIME
23291	QUILT LINED JACKETS, MENS' AND BOYS'
20424	RABBIT FEED
20155	RABBITS, DRESSED, AND PACKED
27413	RACING FORMS PUBLISHED
39493	RACKETS, BADMINTON AND TENNIS
37992	RACKS AND BOXES FOR MOUNTING ON WAGONS, TRUCKS, AND TRAILER GEARS FOR FARM USE
25410	RACKS, CLOTHING, WOODEN
39410	RACING SETS, VEHICULAR (TOY)
36442	RACEWAYS, ELECTRICAL, NONCURRENT CARRYING DEVICES
36795	RADAR ANTENNAS
36624	RADAR SEARCH AND DETECTION APPARATUS
36625	RADAR SYSTEMS AND EQUIPMENT
36930	RADIATION EQUIPMENT EXCEPT DIFFRACTION
34443	RADIATOR ENCLOSURES, SHEET METAL
28993	RADIATOR SEAL (STOP LEAK)
34333	RADIATORS, CAST IRON EXCEPT PARTS
37141	RADIATORS FOR VEHICLES
36622	RADIO AND T.V. BROADCAST EQUIPMENT, AND CLOSED CIRCUIT SYSTEMS
36626	RADIO ASTRONOMY EQUIPMENT
25144	RADIO CABINETS, METAL
25111	RADIO CABINETS, WOOD, PAINTED OR FINISHED
36511	RADIO, HOUSEHOLD AND AUTO
36511	RADIO-PHONOGRAPH COMBINATION, HOUSEHOLD
28341	RADIOACTIVE ISOTOPES FOR INTERNAL USE
28199	RADIUM COMPOUNDS
36930	RADIUM EQUIPMENT
26112	RAG PULP
33120	RAIL JOINTS CARBON STEEL, A STEEL MILL PRODUCT
35319	RAIL LAYERS, BALLAST SPREADER, RAILWAY MAINTENANCE OF WAY EQUIPMENT (EXCEPT RAILCAR)
33120	RAIL TIE PLATES CARBON STEEL, A STEEL MILL PRODUCT
34291	RAILROAD CAR HARDWARE
35663	RAILROAD CAR JOURNAL BEARINGS, MECHANICAL POWER TRANSMISSION EQUIPMENT
24262	RAILROAD CAR STOCK, HARDWOOD DIMENSION FOR INDUSTRY
33232	RAILROAD CAR WHEELS, CAST STEEL (FOUNDRY)
37423	RAILROAD CARS, REBUILT
37422	RAILROAD FREIGHT TRAIN CARS, NEW
34990	RAILROAD FROGS, SWITCHES AND CROSSINGS FABRICATED METAL ASSEMBLIES
37421	RAILROAD PASSENGER CARS, NEW
35760	RAILROAD TRACK AND MOTOR TRUCK SCALES, INCLUDING PARTS AND ATTACHMENTS
33120	RAILS, CARBON STEEL A STEEL MILL PRODUCT
24318	RAILS, WOOD, FOR PORCH, STAIR, ETC.
35319	RAILWAY MAINTENANCE OF WAY EQUIPMENT
36213	RAILWAY MOTORS AND GENERATORS
36623	RAILWAY SIGNALS AND ATTACHMENTS, ELECTRIC
33233	RAILWAY SPECIALTIES, ALLOY STEEL CASTINGS, (FOUNDRY)
22992	RAMIE YARN, THREAD AND TEXTILES
23850	RAINCAPES, EXCEPT ALL RUBBER
23850	RAINCOATS, EXCEPT ALL RUBBER
30698	RAINWEAR, RUBBER
34233	RAKES, HANDTOOL
35226	RAKES, HAYING MACHINERY
34336	RANGE BOILERS
38312	RANGE FINDERS (FIRE CONTROL EQUIPMENT) MADE IN OPTICAL PLANTS
19410	RANGE FINDERS (FIRE CONTROL EQUIPMENT) NOT MADE IN OPTICAL PLANTS
36312	RANGES AND OVENS, HOUSEHOLD, AND EQUIPMENT, PARTS, EXCEPT ELECTRIC
36311	RANGES AND OVENS, HOUSEHOLD ELECTRIC AND PARTS
36312	RANGES, COAL, WOOD, GAS, OIL, HOUSEHOLD
35891	RANGES, COMMERCIAL
36311	RANGES, ELECTRIC, HOUSEHOLD, FREE STANDING AND BUILT-IN
36321	RANGE-REFRIGERATOR AND/OR SINK COMBINATIONS
28199	RARE EARTH COMPOUNDS
22561	RASCHEL-KNIT FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
34233	RASPS
25190	RATTAN FURNITURE
24995	RATTAN WARE, EXCEPT FURNITURE
20324	RAVIOLI
22690	RAW STOCK (UNPROCESSED TEXTILE FIBER) BLEACHED OR DYED EXCEPT WOOL (FROM PURCHASED STOCK)
22211	RAYON AND/OR ACETATE MIXTURES WITH OTHER FIBERS - 100% FILAMENT (GRAY GOODS) EXCEPT BLANKLETING
22216	RAYON - COMBINATION OF FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS) BROADWOVEN
28232	RAYON, SALABLE WASTE
28232	RAYON, STAPLE AND TOW, MANMADE FIBERS
22411	RAYON TEXTILE, NARROW WOVEN
22970	RAYON TEXTILE TOPS
22970	RAYON TEXTILES, NOILS
22690	RAYON TEXTILES, YARNS, BLEACHED, DYED, PRINTED AND OTHER FINISHES FROM PURCHASED TEXTILE
28232	RAYON YARN, VISCOSE, AND CUPRAMMONIUM PROCESS
34212	RAZOR AND BLADES, EXCEPT ELECTRIC
36342	RAZORS, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
36794	REACTORS, COILS, TRANSFORMERS, CHOKES FOR ELECTRONIC APPLICATION
36123	REACTORS, CURRENT LIMITING
25312	READING TABLES FOR PUBLIC LIBRARY
24332	READY-CUT BUILDINGS AND PARTS, WOOD
32730	READY-MIXED CONCRETE
20262	READY-WHIPPED CREAM, PACKAGED
28199	REAGENT GRADE INORGANIC CHEMICALS, REFINED FROM PURCHASED TECHNICAL GRADE
28185	REAGENTS GRADE ORGANIC CHEMICALS REFINED FROM PURCHASED TECHNICAL GRADES
35331	REAMERS FOR ROTARY OILFIELD AND GASFIELD DRILLING EQUIPMENT
35451	REAMERS, SMALL CUTTING TOOLS
35418	REAMING MACHINES FOR METALWORKING USE
27891	REBINDING AND PREBINDING OF BOOKS FOR LIBRARY USE
36942	REBUILT AUTOMOTIVE TYPE GENERATORS AND ALTERNATORS
37143	REBUILT AUTO PARTS, EXCEPT CARBURETORS
35419	REBUILT METAL-CUTTING TYPE MACHINE TOOLS
35424	REBUILT METAL-FORMING MACHINE TOOLS
37423	REBUILT PASSENGER AND FREIGHT TRAIN CARS
35551	REBUILT PRINTING PRESSES
35540	REBUILT PULP AND PAPER INDUSTRY MACHINES
35720	REBUILT TYPEWRITERS, INCLUDING PARTS AND ATTACHMENTS
19292	RECEIPTS FOR AMMUNITION LOADING AND ASSEMBLY, FOR ARMS OVER 30 MM. (OR OVER 1.18 INCHES)
27892	RECEIPTS FOR BOOKBINDING WORK DONE ON MATERIAL PRINTED ELSEWHERE
22569	RECEIPTS FOR COMMISSION KNITTING AND/OR DYEING FABRIC PRODUCED IN A KNIT FABRIC MILL
23279	RECEIPTS FOR CONTRACT AND COMMISSION WORK, MEN'S AND BOYS' SEPARATE TROUSERS FOR DRESS OR SPORT
23219	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, YOUTHS', AND BOYS' SHIRTS, COLLARS AND NIGHTWEAR
23119	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, YOUTHS', AND BOYS' SUITS, COATS AND JACKETS
23399	RECEIPTS FOR CONTRACT AND COMMISSION WORK, WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR
23359	RECEIPTS FOR CONTRACT WORK, FOR WOMEN'S, MISSES', AND JUNIORS', DRESSES
23429	RECEIPTS FOR CONTRACT WORK ON CORSETS AND ALLIED GARMENTS
23639	RECEIPTS FOR CONTRACT WORK ON GIRLS', CHILDREN'S, AND INFANTS' COATS, SNOWSUITS AND LEGGING SETS
23699	RECEIPTS FOR CONTRACT WORK ON GIRLS', CHILDREN'S, AND INFANTS' OUTERWEAR
23619	RECEIPTS FOR CONTRACT WORK ON GIRLS AND CHILDREN'S DRESSES, BLOUSES, WAISTS, AND SKIRTS
23289	RECEIPTS FOR CONTRACT WORK ON MEN'S AND BOYS' WORK CLOTHING
23319	RECEIPTS FOR CONTRACT WORK ON WOMEN'S, MISSES', AND JUNIORS' BLOUSES, WAISTS AND SHIRTS
23379	RECEIPTS FOR CONTRACT WORK ON WOMEN'S, MISSES', AND JUNIORS', COATS, SUITS, SKIRTS, AND TAILORED JACKETS
37293	RECEIPTS FOR RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS
37226	RECEIPTS FOR RESEARCH AND DEVELOPMENT ON MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS
37227	RECEIPTS FOR SERVICES ON COMPLETE MISSILE OR SPACE VEHICLE ENGINE AND/OR PROPULSION UNITS
36621	RECEIVERS FOR COMMERCIAL INDUSTRIAL, MILITARY COMMUNICATION, EXCEPT BROADCAST EQUIPMENT
30310	RECLAIMED RUBBER
25121	RECLINING CHAIRS, UPHOLSTERED WOOD
24450	RECOOPERED USED BARRELS, KEGS, TUBS, ETC.
36520	RECORD BLANKS, PHONOGRAPH
25112	RECORD CABINETS, WOOD, PAINTED AND FINISHED
36514	RECORD PLAYERS AND PHONOGRAPHS
36795	RECORDER MECHANISMS ONLY
36514	RECORDERS, SOLD SEPARATELY
36113	RECORDING INSTRUMENTS, ELECTRIC EXCEPT CONTROL TYPE
36795	RECORDING MAGNETIC TAPE AND WIRE
36520	RECORDS, PHONOGRAPH
36292	RECTIFIERS, POWER MERCURY ARC
36743	RECTIFIERS, SOLID STATE, SEMICONDUCTOR
36292	RECTIFYING APPARATUS EXCEPT FOR ELECTRONIC APPLICATION
24290	RED CEDAR SHINGLES AND SHAKES, MADE IN SAWMILLS
20412	RED DOG, WHEAT MILLFEED
28163	RED LEAD, COLORED LEAD PIGMENTS
28992	RED OIL (OLEIC ACID), PRODUCED FOR SALE AS SUCH, FROM OWN OR PURCHASED MATERIALS
25190	REED FURNITURE
39491	REELS, FISHING
39314	REEDS FOR MUSICAL INSTRUMENTS
26552	REELS, PAPERBOARD
24995	REELS, WOODEN, FOR WIRE AND CABLE
39510	REFILL INK CARTRIDGES FOR BALLPOINT PENS
27312	REFERENCE BOOKS, SUBSCRIPTION, HARDBOUND
20620	REFINED CANE SUGAR AND BYPRODUCTS
20620	REFINERS' SIRUP, INCLUDING BLACKSTRAP, FILTERED BLACKSTRAP, CANE
32292	REFLECTORS, GLASS FOR LIGHTING FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	REFLECTORS, GLASS FOR LIGHTING, FROM PURCHASED GLASS
38311	REFLECTORSCOPES
32550	REFRACTORIES, CLAY, INSULATING AND CASTABLE
32970	REFRACTORIES - NONCLAY
20415	REFRIGERATED DOUGHS - INCLUDING PIZZA, COFFEE AND CAKE MADE FROM FLOUR MIXES MADE IN FLOUR MILLS
20455	REFRIGERATED DOUGH - MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT
35853	REFRIGERATION EQUIPMENT, COMMERCIAL
35857	REFRIGERATION FOR SODA FOUNTAINS, BEER DISPENSERS
34295	REFRIGERATOR AND STOVE HARDWARE
34611	REFRIGERATOR PARTS OF VITREOUS ENAMEL
35853	REFRIGERATORS, COMMERCIAL
36321	REFRIGERATORS, HOUSEHOLD
36321	REFRIGERATORS, MECHANICAL, INCLUDING FREEZER COMBINATIONS (HOUSEHOLD ONLY)
20942	REFUSE, ANIMAL - WET OR DRY
28212	REGENERATED CELLULOSIC PRODUCTS, EXCEPT RAYON
36942	REGULATORS FOR BATTERY CHARGING GENERATORS
34493	REINFORCING BARS FOR CONCRETE
36137	RELAYS, CONTROL CIRCUIT
36220	RELAYS, ELECTRIC POWER
36795	RELAYS FOR ELECTRONIC APPLICATION
34944	RELIEF VALVES FOR PLUMBING AND HEATING, EXCEPT PLUMBERS' BRASS GOODS
27314	RELIGIOUS BOOKS
39610	RELIGIOUS JEWELRY, EXCEPT PRECIOUS METAL
27217	RELIGIOUS MAGAZINE, ADVERTISING, SUBSCRIPTION AND SINGLE COPY SALES
20352	RELISH, PICKLE
36795	REMOTE CONTROLS, T.V.
28445	REMOVERS, NAIL LACQUER AND ENAMELS
28518	REMOVERS, PAINT AND VARNISH
37324	REPAIR, BOAT, ALL TYPES MILITARY AND NONMILITARY
37316	REPAIR OF NONMILITARY SHIPS
37314	REPAIR OF U.S. MILITARY SHIPS
28421	REPELLANTS AND INSECTICIDES, HOUSEHOLD
37141	REPLACEMENT PARTS AND ACCESSORIES FOR PASSENGER CARS, TRUCKS, BUSSES, AND TRAILERS
37216	RESEARCH AND DEVELOPMENT FOR COMPLETE AIRCRAFT
37293	RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS
37226	RESEARCH AND DEVELOPMENT ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS, RECEIPTS FOR
19254	RESEARCH AND DEVELOPMENT ON COMPLETE SPACE VEHICLES (EXCEPT PROPULSION)
19253	RESEARCH AND DEVELOPMENT ON GUIDED MISSILES, COMPLETE

Code	Product
37294	RESEARCH AND DEVELOPMENT ON MISSILE AND SPACE VEHICLE COMPONENTS (EXCEPT ENGINES AND PROPULSION UNITS)
37223	RESEARCH AND DEVELOPMENT WORK ON AIRCRAFT ENGINES
29115	RESIDUAL FUEL OIL
22952	RESIN-COATED FABRICS - LIGHTWEIGHT AND HEAVYWEIGHT - WOVEN, KNITTED AND NONWOVEN
28213	RESINS, CELLULOSICS - THERMOPLASTIC
28216	RESINS FOR PROTECTIVE COATINGS
28214	RESINS, THERMOPLASTIC, EXCEPT RESINS FOR PROTECTIVE COATINGS
28214	RESINS, THERMOSETTING, EXCEPT RESINS FOR PROTECTIVE COATINGS
36220	RESISTANCE WELDING CONTROLS
36233	RESISTANCE WELDERS, ELECTRODES, COMPONENTS, AND ACCESSORIES
36220	RESISTORS AND RHEOSTATS, EXCEPT FOR ELECTRONIC APPLICATION
36793	RESISTORS FOR ELECTRONIC APPLICATION
38421	RESPIRATORS
25990	RESTAURANT FURNITURE WOOD OR METAL
23371	REVERSIBLE COATS FOR WOMEN, MISSES', AND JUNIORS
19512	REVOLVERS, PISTOLS AND PARTS
22822	REWOUND YARNS, OTHER THAN WOOL (NOT SPUN OR THROWN AT SAME ESTABLISHMENT) INCLUDING PLIED, TWISTED, AND NOVELTY YARN
36220	RHEOSTATS AND RESISTORS, EXCEPT FOR ELECTRONIC APPLICATION
22213	RIBBED AND CORDED FABRICS, 100% SPUN YARN FABRICS RAYON AND/OR ACETATE GRAY GOODS
22213	RIBBED FABRICS, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22216	RIBBED FABRICS, COMBINATION FILAMENT-AND-SPUN RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22115	RIBBON CLOTH, TYPEWRITER FINE COTTON (GRAY GOODS)
23963	RIBBON, FUSED EDGE - INCLUDING GIFT TYINGS
39550	RIBBONS, INKED, TYPEWRITER, ADDING MACHINE, CASH REGISTER
22991	RIBBONS, NONWOVEN FOR GIFT TYINGS, INCLUDING LAMINATED AND NONLAMINATED
22411	RIBBONS, WOVEN
20440	RICE BRAN
20430	RICE BREAKFAST FOODS - READY TO SERVE
20440	RICE, BREWERS - MILLED BYPRODUCTS
20440	RICE, HEAD - MILLED BYPRODUCTS
20440	RICE MILL PRODUCTS
20440	RICE, MILLED, INCLUDING BYPRODUCTS
20440	RICE, SCREENINGS - MILLED BYPRODUCTS
20440	RICE, SECOND HEAD, MILLED BYPRODUCTS
19512	RIFLES AND PARTS, 30 MM. OR UNDER (1.18 INCHES OR UNDER)
19110	RIFLES, RECOILLESS, OVER 30 MM. (OR OVER 1.18 INCHES)
35334	RIGS, CABLE TOOL OR ROTARY, PORTABLE DRILLING OILFIELD AND GASFIELD OR WATER WELLS AND BLAST HOLES
24262	RIMS, VEHICLE, HARDWOOD DIMENSION STOCK, FOR INDUSTRY
39610	RINGS AND RING MOUNTINGS, EXCEPT PRECIOUS METALS
39111	RINGS AND RING MOUNTINGS OF PLATINUM AND CARAT GOLD
39112	RINGS AND RING MOUNTINGS OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
35318	RIPPERS AND ROOTERS, CONSTRUCTION MACHINERY FOR MOUNTING ON TRACTORS
24262	RISER DIMENSION STOCK, HARDWOOD
24318	RISERS, WOOD, STAIR
35423	RIVETING MACHINES, EXCEPT HANDHELD PORTABLE TYPES FOR METAL-FORMING
34521	RIVETS
28421	ROACH PREPARATIONS
39932	ROAD MARKERS, ROUTE SIGNS AND METAL NONELECTRIC
29110	ROAD OIL
20951	ROASTED COFFEE - WHOLE BEAN OR GROUND
36343	ROASTERS AND OVENS, ELECTRIC, HOUSEHOLD APPLIANCE (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
22543	ROBE SETS WITH NIGHTGOWN OR PAJAMAS, INCLUDING PEIGNOIR, KNIT FOR WOMEN, MISSES, AND JUNIORS, MADE FROM YARNS OR FABRIC KNIT AT THE SAME ESTABLISHMENT
23840	ROBES AND DRESSING GOWNS, MEN'S, BOYS', AND WOMEN'S, TUFTED, COTTON, MANMADE FABRICS AND ALL OTHER FABRICS
23699	ROBES, GIRLS' AND CHILDREN'S, - COMMISSION RECEIPTS
23690	ROBES, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22110	ROBES, MOTOR, COTTON AND CHIEFLY COTTON MADE IN BROADWOVEN FABRIC MILL
25143	ROCKERS, METAL OUTDOOR
25121	ROCKERS, UPHOLSTERED WOOD
25115	ROCKERS, WOODEN, PAINTED OR FINISHED FOR BEDROOMS, EXCEPT UPHOLSTERED
25112	ROCKERS, WOODEN, PAINTED OR FINISHED, EXCEPT UPHOLSTERED
25117	ROCKERS, WOODEN, UNPAINTED
19990	ROCKET PROJECTORS AND PARTS
19251	ROCKETS (GUIDED MISSILES), SPACE AND MILITARY, COMPLETELY ASSEMBLED
19293	ROCKETS (OTHER THAN GUIDED MISSILES) AND PARTS
33560	ROD, BAR, AND MONEL NICKEL ROLLED, DRAWN, AND EXTRUDED, NONFERROUS METAL MILL
33525	ROD, BAR AND SHAPES, ALUMINUM EXTRUDED
33512	ROD, BAR AND SHAPES, COPPER, ALLOYED AND UNALLOYED, ROLLED, DRAWN, AND EXTRUDED
35333	ROD LIFTING MACHINERY AND EQUIPMENT FOR OILFIELDS AND GASFIELDS
28421	RODENTICIDES
25911	RODS AND FIXTURES FOR CURTAINS AND DRAPERIES
39491	RODS, FISHING
32316	RODS, GLASS, FROM PURCHASED GLASS
30793	RODS, LAMINATED, PLASTICS
30791	RODS, PLASTICS, UNSUPPORTED, PRODUCED FROM PURCHASED RESINS
28211	RODS, PLASTICS, UNSUPPORTED, PRODUCED FROM RESINS MADE IN THIS PLANT
20310	ROE, CANNED, EXCEPT FROZEN
33524	ROLLED ALUMINUM ROD, BAR, CONTINUOUS CAST, STRUCTURAL SHAPES
32114	ROLLED GLASS - FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
20430	ROLLED OATS, BREAKFAST FOOD, TO BE COOKED BEFORE SERVING
35629	ROLLER AND BALL BEARINGS - PARTS AND COMPONENTS ONLY
39493	ROLLER SKATES, SIDEWALK AND RINK
35629	ROLLERS AND BALLS, SOLD SEPARATELY
35224	ROLLERS, PULVERIZERS, FARM, INCLUDING ATTACHMENTS
35318	ROLLERS, SCRAPERS, GRADERS, OFF-HIGHWAY TRUCKS, TRAILERS, WAGONS FOR CONSTRUCTION WORK, EXCEPT PARTS
35481	ROLLING MILL MACHINERY AND EQUIPMENT, HOT OR COLD
23422	ROLL-ONS (GIRDLES)
20511	ROLLS, BREAD-TYPE--INCLUDING HAMBURGER AND WEINER ROLLS, ENGLISH MUFFINS, BROWN AND SERVE, ETC.
33233	ROLLS FOR ROLLING MILLS, ALLOY STEEL CASTINGS, (FOUNDRY)
33232	ROLLS FOR ROLLING MILLS, CARBON STEEL CASTINGS, (FOUNDRY)
33214	ROLLS FOR ROLLING MILLS, GRAY IRON
20512	ROLLS, SWEET YEAST
23690	ROMPERS, GIRLS' AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
32722	ROOF AND FLOOR UNITS, PRECAST CONCRETE
29522	ROOF CEMENT, SOLID ASPHALT
29522	ROOF COATINGS, FIBROUS AND NONFIBROUS
34441	ROOF DRAINAGE EQUIPMENT, METAL
26611	ROOF INSULATION BOARD
24332	ROOF TRUSSES, WOOD, FOR PREFABRICATED AND PRECUT BUILDINGS
34443	ROOF VENTILATORS, SHEET METAL
29523	ROOFING, ASPHALT, SHINGLES
32950	ROOFING GRANULES
34441	ROOFING SHEET METAL
32592	ROOFING TILE, CLAY
35852	ROOM AIR-CONDITIONERS
20860	ROOT BEER EXTRACT--SOFT DRINKS, BOTTLED AND CANNED, DIETETIC OR NONDIETETIC
22981	ROPE, ABACA - HARD FIBER
22981	ROPE, HARD FIBER
33151	ROPE OF WIRE, CABLE AND STRAND, NONINSULATED, FERROUS, FROM WIRE-DRAWN IN SAME ESTABLISHMENT
22982	ROPE, MANMADE SOFT FIBER
34291	ROPE SOCKETS, CLIPS AND CLAMPS, MARINE
34811	ROPE, WIRE, NONINSULATED, FERROUS, NOT MADE BY WIREDRAWERS
22811	ROPE YARNS, CARDED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
39112	ROSARIES, CHAPLETS AND CROSSES (RELIGIOUS JEWELRY) EXCEPT MADE OF PLATINUM AND CARAT GOLD
39111	ROSARIES, CHAPLETS AND CROSSES (RELIGIOUS JEWELRY) MADE OF PLATINUM AND CARAT GOLD
28612	ROSIN, GUM NAVAL STORES
28612	ROSIN, TALL OIL
28611	ROSIN, WOOD
35421	ROTARY BENDING AND FORMING MACHINES, METALWORKING USE
35331	ROTARY DRILLING EQUIPMENT FOR OILFIELDS
35331	ROTARY OILFIELD AND GASFIELD EQUIPMENT, INCLUDING BLOCKS, CROWN AND TRAVELING, DRAW WORK, ROTARY TABLE AND SWIVELS
35334	ROTARY PORTABLE DRILLING RIG, FOR OILFIELD AND GASFIELD OR WATER WELL AND BLAST HOLES
35421	ROTARY SHEARING MACHINES, METALWORKING USE
28790	ROTENONE, PYRETHRUM, OR NICOTINE SULFATE INSECTICIDES FOR AGRICULTURE
36343	ROTISSERIES, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
27518	ROTOGRAVURE PLATES, MADE FOR OTHERS
28445	ROUGES, (EXCEPT LIP ROUGE)
24211	ROUGH LUMBER - SAWED IN A SAWMILL
31115	ROUGH RUSSET AND CRUST LEATHER, NOT FINISHED IN THIS ESTABLISHMENT
22992	ROVES, JUTE AND FLAX
22970	ROVING, COMBED COTTON
37323	ROWBOATS
30691	RUBBER BELTS AND BELTING TRANSMISSION
30698	RUBBER CLOTHING
30698	RUBBER COATED FABRICS
30698	RUBBER, COMPOUNDS OR MIXTURES FOR SALE OR INTERPLANT TRANSFER
30694	RUBBER FLOOR AND WALL COVERING
30210	RUBBER FOOTWEAR FOR LUMBERMEN AND PACS
32932	RUBBER GASKETS
30696	RUBBER HEELS AND SALES
30692	RUBBER HOSE AND TUBING
30695	RUBBER, MOLDED AND ADHERED TO METAL
30210	RUBBER OVERSHOES
30695	RUBBER PACKING
27530	RUBBER PLATES (DUPLICATE) FOR LETTERPRESS
28183	RUBBER PROCESSING CHEMICALS, ORGANIC
30310	RUBBER, RECLAIMED
30210	RUBBER SOLED CANVAS SHOES, INCLUDING BALS AND OXFORDS
39530	RUBBER STAMPS, STENCILS, ALL MARKING DEVICES
30698	RUBBER STATIONARY GOODS
28220	RUBBER, SYNTHETIC AND OTHER SYNTHETIC ELASTOMERS
30698	RUBBER THREAD, BARE
22415	RUBBER THREAD, FABRIC COVERED
30698	RUBBER TOYS
35594	RUBBER-WORKING MACHINERY AND EQUIPMENT, EXCEPT TIRE MOLDS
28346	RUBBING ALCOHOL
27821	RULING, PAPER (PEN AND DISCS), MATERIAL OWNED BY OTHERS
20851	RUM-ALCOHOLIC BEVERAGE, DISTILLED
37321	RUNABOUTS, BOATS, INBOARD POWERED
37322	RUNABOUTS, BOATS, OUTBOARD POWERED
29920	RUST PREVENTATIVES MADE FROM PURCHASED MATERIAL
29117	RUST PREVENTATIVES MADE IN REFINERIES
28423	RUG AND UPHOLSTERY CLEANER
35820	RUG CLEANING, DRYING, NAPPING MACHINES
22790	RUGS, EXCEPT WOVEN OR TUFTED
22910	RUG LININGS, FELT
22720	RUGS, TUFTED, INCLUDING FINISHING
22710	RUGS, WOVEN, CHIEFLY COTTON OR MANMADE FIBER PILE YARNS
22710	RUGS, WOVEN, CHIEFLY WOOL PILE YARNS
20416	RYE FLOUR
20830	RYE MALT
20416	RYE MILLFEED
20851	RYE, WHISKEY (RAW) DISTILLED
36911	S.L.I. TYPE STORAGE BATTERIES (STARTING, LIGHTING, IGNITIONS), EXCEPT PARTS
28445	SACHETS
26217	SACK, PAPER, COARSE, UNBLEACHED KRAFT
26433	SACKS, SHIPPING, PAPER
23690	SACQUES, GIRLS' AND INFANTS', WOVEN--SIZES 0 TO 3 MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22531	SACQUES, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
34295	SADDLERY AND HARNESS HARDWARE
31990	SADDLERY, LEATHER
34920	SAFE DEPOSIT BOXES
34920	SAFES AND VAULTS
22411	SAFETY BELT WEBBING
23990	SAFETY BELTS - SEAT OR SHOULDER HARNESSES (EXCEPT LEATHER)
36623	SAFETY CONTROL EQUIPMENT, ELECTRIC SIGNALS
38423	SAFETY DEVICES, PERSONAL, INDUSTRIAL
39642	SAFETY PINS
20932	SAFFLOWER OIL
34212	SAFETY RAZORS

Code	Product
36133	SAFETY SWITCHES, INCLUDING PULLOUT TYPE--750 VOLTS AND UNDER
37323	SAILBOATS
37313	SAILING VESSELS COMMERCIAL, NONMILITARY
23940	SAILS, CANVAS, MADE FROM PURCHASED FABRICS
28124	SAL SODA
20354	SALAD DRESSINGS
20331	SALAD FRUITS, CANNED
20961	SALAD OR COOKING OILS, REFINED, BLEACHED, DEODORIZED AND/OR WINTERIZED
20332	SALAD, VEGETABLE, CANNED
20117	SALAMI, NOT CANNED, MADE IN MEATPACKING PLANT
20137	SALAMI, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20999	SALADS, BULK OR PACKAGED, NOT FROZEN
27613	SALES AND MANIFOLD BOOKS, PRINTING OF
27211	SALES AND SUBSCRIPTION RECEIPTS FROM FARM PERIODICALS
27215	SALES AND SUBSCRIPTION RECEIPTS FROM GENERAL PERIODICALS (I.E., PERIODICALS OTHER THAN FARM, SPECIALIZED BUSINESS, OR PROFESSIONAL)
27213	SALES AND SUBSCRIPTION RECEIPTS FROM SPECIALIZED BUSINESS AND PROFESSIONAL PUBLISHING
27613	SALES BOOKS FOR BUSINESS, PRINTED INDIVIDUAL ORDERS, OR STOCK, EXCEPT IMPRINTING
27111	SALES OF DAILY AND SUNDAY NEWSPAPERS, RECEIPTS FROM
27113	SALES OF WEEKLY AND OTHER NEWSPAPERS, RECEIPTS FROM
27217	SALES, SUBSCRIPTION, ADVERTISING RECEIPTS FROM RELIGIOUS, SCHOOL, SUNDAY COMICS, AND SUPPLEMENTS
28183	SALICYLATE VANILLIN
20310	SALMON, SMOKED
20136	SALT PORK, DRY, NOT CANNED OR MADE IN MEATPACKING PLANT
20116	SALT PORK, DRY, NOT CANNED OR MADE INTO SAUSAGE, PROCESSED IN MEATPACKING PLANT
28991	SALT-SODIUM CHLORIDE
20310	SALTED FISH (INCLUDING SUN DRIED)
20716	SALTED NUTS, SOLD IN BULK
20521	SALTINES
30210	SANDALS, RUBBER
35482	SANDERS, DISC, POWER, HAND
32813	SANDSTONE, CUT, INCLUDING BUILDING STONE
20354	SANDWICH SPREAD, SALAD DRESSING BASE
20222	SANDWICH SPREADS, CHEESE
20999	SANDWICHES, BREAD--BULK OR PACKAGED
20521	SANDWICHES, CRACKER
20999	SANDWICHES, CRACKER, MADE FROM PURCHASED CRACKERS
38421	SANITARY BELTS AND PANTIES
26471	SANITARY NAPKINS AND TAMPONS
26472	SANITARY TISSUE HEALTH PRODUCTS
26210	SANITARY TISSUE STOCK
22212	SARAN AND OLEFIN, 100% FILAMENT FABRICS, GRAY GOODS
28242	SARAN FIBERS-MANMADE
20310	SARDINES, HERRING AND PILCHARD, CANNED, EXCEPT FROZEN
20860	SARSAPARILLA EXTRACT SOFT DRINKS BOTTLED AND CANNED, DIETETIC AND NONDIETETIC
34422	SASH AND FRAMES, METAL (EXCEPT STORM)
24311	SASH, WOOD, INCLUDED IN WINDOW UNITS
24312	SASH, WOOD, KNOCK DOWN, OPEN OR GLAZED, MADE IN A MILLWORK PLANT
24312	SASH, WOOD WINDOW, INCLUDING COMBINATION SCREEN AND STORM SASH, EXCEPT WINDOW SCREENS AND WINDOW UNITS, MILLWORK PLANT PRODUCT
22115	SATEENS, FINE COTTON GOODS BROADWOVEN (GRAY GOODS)
22112	SATEENS, SHEETING COTTON YARN (GRAY GOODS)
22211	SATINS, ACETATE, VISCOSE, AND CREPE, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
22212	SATINS, NYLON, 100% FILAMENT, GRAY GOODS
20336	SAUCE, TOMATO, INCLUDING CATSUP (KETCHUP)
20354	SAUCE, TARTAR
20353	SAUCES FOR MEAT, EXCEPT TOMATO
20352	SAUERKRAUT, BULK
20332	SAUERKRAUT, CANNED
20139	SAUSAGE CASINGS, NATURAL
20117	SAUSAGE, IMITATION, NOT CANNED, MADE IN MEATPACKING PLANT
20137	SAUSAGE, IMITATION, NOT CANNED, NOT MADE IN MEATPACKING PLANT
20117	SAUSAGE, NOT CANNED, MADE IN MEATPACKING PLANT
20137	SAUSAGE, NOT CANNED, NOT MADE IN MEATPACKING PLANT
34250	SAW BLADES, POWER
24219	SAWING OF LOGS, CONTRACT RECEIPTS
35531	SAWING MACHINES
35531	SAWMILL EQUIPMENT
35418	SAWS AND SAWING MACHINES, METAL-CUTTING TYPE, FOR HOME WORKSHOP
35531	SAWS, CHAIN
34250	SAWS, HAND, AND ACCESSORIES
35482	SAWS, POWER, HAND, EXCEPT CHAIN SAWS
35532	SAWS, WOODWORKING MACHINERY FOR HOME WORKSHOP
24995	SCAFFOLDING EQUIPMENT, WOODEN
35760	SCALES AND BALANCES, EXCEPT LABORATORY, INCLUDING PARTS AND ATTACHMENTS
35760	SCALES, HOUSEHOLD, INCLUDING PARTS AND ATTACHMENTS
35760	SCALES, INDUSTRIAL, (NOT LABORATORY) INCLUDING PARTS AND ATTACHMENTS
35760	SCALES, (NOT LABORATORY) RETAIL AND COMMERCIAL, COMPUTING AND NONCOMPUTING, INCLUDING PARTS AND ATTACHMENTS
23230	SCARFS, MEN'S, YOUTHS', AND BOYS', KNIT OR WOVEN
23690	SCARFS (NECKWEAR), GIRLS' AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23920	SCARFS, TABLE AND DRESSER, EXCEPT LACE, MADE FROM PURCHASED FABRIC
23393	SCARFS, WOMEN'S AND MISSES' (EXCEPT FUR)
22720	SCATTER RUGS, TUFTED
23970	SCHIFFLI-MACHINE EMBROIDERIES, INCLUDING YARD GOODS
27413	SCHOOL ANNUALS, PUBLISHING
31610	SCHOOL BAGS, LEATHER
25311	SCHOOL DESKS
25311	SCHOOL FURNITURE, EXCEPT STONE AND CONCRETE (EXCEPT LIBRARY FURNITURE, AND EXCEPT STADIUM AND BLEACHER SEATS)
39111	SCHOOL JEWELRY, FRATERNAL AND COLLEGE, ETC., MADE OF PLATINUM AND CARAT GOLD
39112	SCHOOL JEWELRY, FRATERNAL, COLLEGE, ETC., MADE OF PRECIOUS METAL EXCEPT PLATINUM AND CARAT GOLD
26216	SCHOOL PAPER, INCLUDING COLORED
34334	SCHOOLROOM HEATERS AND STOVES, SOLID FUEL
39410	SCIENTIFIC TOYS (MICROSCOPES, CHEMISTRY SETS, ETC.)
34233	SCOOPS
37510	SCOOTERS, BICYCLES, MOTORCYCLES, MOTORBIKES, AND PARTS
39430	SCOOTERS, CHILDREN'S
28415	SCOURING CLEANSERS WITH OR WITHOUT ABRASIVES, HOUSEHOLD
28416	SCOURING CLEANSERS WITH OR WITHOUT ABRASIVES, NONHOUSEHOLD
28412	SCOURING CLEANERS, WITH OR WITHOUT ABRASIVES, NONHOUSEHOLD BULK
32914	SCOURING PADS
22970	SCOURING, WOOL
37311	SCOWS, NONPROPELLED, NEW
37313	SCOWS, SELF-PROPELLED, CIVILIAN, NEW
27821	SCRAP BOOKS, BLANKBOOK MAKING, MATERIAL OWNED BY OTHERS
20942	SCRAPMEAT, FOR FEED OR FERTILIZER
34233	SCRAPERS, HANDTOOL
35318	SCRAPERS, GRADERS, ROLLERS, OFF-HIGHWAY TRUCKS, TRAILERS, WAGONS FOR CONSTRUCTION WORK, EXCEPT PARTS
20117	SCRAPPLE, NOT CANNED, MADE IN MEATPACKING PLANT
20137	SCRAPPLE, NOT CANNED, NOT MADE IN MEATPACKING PLANT
38112	SCIENTIFIC INSTRUMENTS
27313	SCIENTIFIC, TECHNICAL, AND PROFESSIONAL BOOKS
34211	SCISSORS
34294	SCREEN AND STORM DOOR HARDWARE, INCLUDING PNEUMATIC CLOSERS
34425	SCREEN DOORS, METAL
24315	SCREEN DOORS, WOOD, INCLUDING COMBINATION SCREEN AND STORM
28930	SCREEN PRINTING INKS
27519	SCREEN PROCESS PRINTING, EXCEPT TEXTILES
33157	SCREEN WIRE, STEEL (INSECT), MADE IN WIREDRAWING PLANT
35322	SCREENING, CRUSHING, AND PULVERIZING PLANTS, STATIONARY, FOR MINING
22212	SCREENING, FIBER GLASS FABRICS, 100% FILAMENT, GRAY GOODS
34814	SCREENING, INSECT WIRE, FERROUS, NOT MADE BY WIREDRAWERS
34815	SCREENING, INSECT WIRE, NONFERROUS (COPPER OR ALUMINUM) NOT MADE BY WIREDRAWERS
35319	SCREENING PLANTS, PORTABLE
33575	SCREENING, WIRE, INSECT, NONFERROUS MADE IN WIREDRAWING PLANT
25117	SCREENS, FOLDING, WOOD, UNPAINTED
38613	SCREENS, MOTION PICTURE
25112	SCREENS, ORNAMENTAL, WOOD, PAINTED OR FINISHED
24318	SCREENS, WINDOW, WOOD FRAMED
35418	SCREW AND NUT SLOTTING MACHINES FOR METALWORKING USE
34231	SCREW DRIVERS
34521	SCREWS, MACHINE AND TAPPING, CAP DRIVE, SET, SHEET METAL AND WOOD
34510	SCREW MACHINE PRODUCTS
34232	SCYTHES
20310	SEAFOOD, CANNED, EXCEPT FROZEN
20310	SEAFOOD, CURED
20362	SEAFOOD, FRESH PACKAGED
20361	SEAFOOD, PACKAGED FROZEN (COOKED)
36410	SEALED BEAM BULBS
28518	SEALERS FOR WOOD
27526	SEALS, ALL TYPES PRINTED BY LITHOGRAPHIC PROCESS
27518	SEALS, GRAVURE PRINTED
27516	SEALS, LETTERPRESS PRINTED, INCLUDING CHRISTMAS, BIRTHDAY, VALENTINE, AND EASTER
26495	SEALS, PAPER
22513	SEAMLESS-FINISHED STOCKINGS FOR WOMEN AND MISSES, FULL- OR KNEE-LENGTH, STRETCH OR NONSTRETCH, MADE OF NYLON, COTTON, MIXTURES AND ALL OTHER YARNS
22515	SEAMLESS STOCKINGS FOR WOMEN AND MISSES, ALL FIBERS, SHIPPED IN THE GREIGE
36625	SEARCH AND DETECTION APPARATUS, ELECTRONIC, INCLUDING RADAR, SONAR, INFRARED
38311	SEARCHLIGHT MIRRORS AND REFLECTORS MADE IN OPTICAL PLANTS
36425	SEARCHLIGHTS, ELECTRIC
20999	SEASONINGS, MEAT
22116	SEAT COVER CLOTH, AUTO (GRAY GOODS)
23990	SEAT COVERS FOR AUTOMOBILES, FIBER WOVEN SARAN AND PLASTIC, CLEAR PLASTIC FROM PURCHASED FABRIC
23990	SEAT OR SAFETY BELTS, INCLUDING SHOULDER HARNESSES (EXCEPT LEATHER)
25144	SEATS, BABY, METAL
25312	SEATS, CHURCH
25312	SEATS FOR PUBLIC CONVEYANCES, AUTOMOBILE, AIRCRAFT, SCHOOL BUSES, ETC
25116	SEATS, NURSERY, WOODEN, PAINTED OR FINISHED
25312	SEATS, THEATRE, AUDITORIUM, STADIUM, BLEACHER SEATS
24995	SEATS, TOILET, WOODEN
28183	SEBACIC ACID
25112	SECRETARIES (DESKS), WOODEN, PAINTED OR FINISHED
25121	SECTIONAL SOFA PIECES, UPHOLSTERED WOOD, HOUSEHOLD
27514	SECURITY CERTIFICATES, FINANCIAL AND LEGAL LETTERPRESS, PRINTED
27518	SECURITY CERTIFICATES PRINTED BY GRAVURE
27524	SECURITY CERTIFICATES PRINTED BY LITHOGRAPHIC
34920	SECURITY EQUIPMENT FOR DRIVE-IN WINDOWS FOR BANKS
28342	SEDATIVES AND HYPNOTICS (PRODUCTS PRIMARILY USED FOR SEDATION)
28342	SEDATIVES, TRANQUILIZERS, AND HYPNOTICS, PHARMACEUTICAL, FOR HUMAN USE
28790	SEED TREATMENT COMPOUNDS (INSECTICIDES, FUNGICIDES, AND INOCULANTS)
35223	SEEDING, PLANTING, AND FERTILIZING MACHINERY
22115	SEERSUCKERS, COMBED AND FINE CARDED, FINE COTTON, (GRAY GOODS)
22114	SEERSUCKERS, EXCEPT COMBED AND FINE CARDED (GRAY GOODS)
22983	SEINE TWINE (INCLUDING CABLES AND HAWSERS), COTTON FIBER
22983	SEINES, COTTON FIBER
22982	SEINES, (EXCEPT COTTON AND LINEN) FROM MANMADE OR SPECIFIED OTHER SOFT FIBER
22992	SEINES, LINEN
38112	SEISMOGRAPHS
37312	SELF-PROPELLED SHIPS, U.S. MILITARY, NEW
19310	SELF-PROPELLED WEAPONS AND PARTS
20411	SELF-RISING FLOUR AND FLOUR MIXES MADE IN FLOUR MILLS
26313	SEMICHEMICAL PAPERBOARD, SOLID WOODPULP FURNISH
36749	SEMICONDUCTOR DEVICES, LIGHT SENSITIVE
36743	SEMICONDUCTOR DIODES, SOLID STATE, INCLUDING RECTIFIERS
36749	SEMICONDUCTOR PARTS (CHIPS, HEADERS, CANS, ETC)
33122	SEMIFINISHED STEEL SHAPES AND FORMS, CARBON, ALLOY, AND STAINLESS STEEL
37150	SEMITRAILERS FOR TRUCK TRACTORS
20411	SEMOLINA
38617	SENSITIZED PHOTOPAPER AND CLOTH, EXCEPT SILVER HALIDE TYPE
38616	SENSITIZED PHOTOGRAPH PAPER AND CLOTH, SILVER HALIDE TYPE
24995	SEPARATORS, BATTERY, WOODEN
34437	SEPTIC TANKS, METAL
32722	SEPTIC TANKS, PRECAST CONCRETE
22213	SERGES, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22211	SERGES, ACETATE AND VISCOSE, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)

Code	Product
28313	SERUMS, ANTIBACTERIAL AND NORMAL FOR HUMAN USE
28315	SERUMS FOR VETERINARY USE
25113	SERVERS, DINING ROOM, WOOD, PAINTED OR FINISHED
23282	SERVICE APPAREL, WASHABLE, MEN'S AND BOYS'
23289	SERVICE APPAREL, WASHABLE, MEN'S AND BOYS' (COMMISSION RECEIPTS)
23392	SERVICE APPAREL, WASHABLE, WOMEN'S, MISSES', AND JUNIORS', INCLUDING NURSES' AND MAIDS'
37227	SERVICES ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS, EXCEPT RESEARCH AND DEVELOPMENT
25990	SERVING TABLES, RESTAURANT
36215	SERVOS, ELECTRICAL (EXCEPT PARTS AND SUPPLIES FOR SUCH ITEMS)
25112	SETTEES, EXCEPT UPHOLSTERED, WOOD, PAINTED OR FINISHED
25221	SETTEES, METAL, OFFICE, INCLUDING UPHOLSTERED
25143	SETTEES, METAL OUTDOOR
25121	SETTEES, UPHOLSTERED WOOD
25210	SETTEES, WOOD, OFFICE, INCLUDING UPHOLSTERED
26520	SETUP PAPERBOARD BOXES
35892	SEWAGE PURIFICATION EQUIPMENT
26461	SEWER AND DRAINAGE PIPE, PRESSED AND MOLDED PULP GOODS
35690	SEWER CLEANING MACHINERY
32591	SEWER PIPE, CLAY
32721	SEWER PIPE, CONCRETE
25112	SEWING CABINETS, WOOD, FINISHED AND PAINTED
25112	SEWING MACHINE CABINETS, WOODEN, PAINTED OR FINISHED
36360	SEWING MACHINES AND PARTS, EXCEPT CASES AND CABINETS SOLD SEPARATELY
36360	SEWING MACHINES, INDUSTRIAL EXCEPT SHOE SOLE STITCHING MACHINE
22813	SEWING THREAD, SPUN, RAYON AND/OR ACETATE YARNS, GRAY OR FINISHED IN YARN SPINNING MILLS
22811	SEWING-THREAD YARNS, CARDED COTTON, GRAY OR FINISHED IN SPINNING MILL
22812	SEWING-THREAD YARNS, COMBED COTTON GRAY OR FINISHED IN YARN SPINNING MILLS
28341	SEX HORMONES, PHARMACEUTICAL FOR HUMAN USE
22951	SHADE CLOTH, PYROXYLIN COATED
22113	SHADE CLOTH, WINDOW (COTTON PRINT), NOT PYROXYLIN COATED (GRAY GOODS)
25912	SHADES AND BLINDS, INCLUDING WOOD, METAL, PLASTIC, CHIP, BAMBOO, RATTAN, AND REED
25911	SHADES FOR WINDOWS AND ACCESSORIES
32292	SHADES, GLASS FOR LIGHTING, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	SHADES, GLASS FOR LIGHTING FROM PURCHASED GLASS
39995	SHADES, LAMP
24290	SHAKES, WOOD, INCLUDING RED CEDAR SAWMILL PRODUCT
28443	SHAMPOOS, HAIR
31310	SHANKS FOR SHOES
22216	SHANTUNGS, COMBINATION FILAMENT, SPUN RAYON AND/OR ACETATE (GRAY GOODS)
36342	SHAVERS, DRY AND ELECTRIC RAZORS (EXCEPT PARTS AND ATTACHMENTS FOR SUCH ITEMS)
28441	SHAVING PREPARATIONS, BRUSHLESS, LATHER, LOTIONS, AND STYPTICS
28441	SHAVING SOAP, LATHER, STICK, POWDER, OR CAKE
23690	SHAWLS, BABYS', WOVEN MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22531	SHAWLS, INFANTS', MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23890	SHAWLS, PRAYER
35421	SHEARING AND PUNCHING MACHINES, METALWORKING USE
34211	SHEARS
34211	SHEARS, HEDGE, GRASS, BARBER, PINKING, AND TAILORING
35228	SHEARS, HEDGE TRIMMERS, POWER
35663	SHEAVES, SINGLE OR MULTIPLE DRIVE MECHANICAL POWER-TRANSMISSION EQUIPMENT, EXCEPT AUTOMOBILE, AIRCRAFT, AND MARINE
31113	SHEEP LEATHER, FINISHED
23860	SHEEP LINED CLOTHING
22212	SHEERS, NYLON, 100% FILAMENT, GRAY GOODS
33127	SHEET AND STRIP STEEL, COLD ROLLED PRODUCED IN STEEL MILLS
32313	SHEET GLASS, LAMINATED (WINDOW) FROM PURCHASED GLASS
32113	SHEET GLASS, LAMINATED (WINDOW) MADE FROM GLASS PRODUCED IN SAME ESTABLISHMENT
34441	SHEET METAL ROOFING AND SIDING AND ROOF DRAINAGE EQUIPMENT
32990	SHEET MICA
27316	SHEET MUSIC IN BOOK FORM
27413	SHEET MUSIC, PUBLISHING
33512	SHEET, STRIP AND PLATE, COPPER, ALLOYED AND UNALLOYED, ROLLED, DRAWN, AND EXTRUDED
32111	SHEET WINDOW GLASS
30791	SHEETING AND SHEET PLASTICS, UNSUPPORTED, MADE FROM PURCHASED RESINS
28211	SHEETING AND SHEET PLASTICS UNSUPPORTED, PRODUCED FROM RESINS MADE IN THIS PLANT
22112	SHEETING, BED, CARDED PERCALE, 42-INCHES AND WIDER, COTTON GRAY GOODS
30698	SHEETING, HOSPITAL AND CRIB
22112	SHEETINGS, BED, MUSLIN, 42-INCHES AND WIDER, COTTON (GRAY GOODS)
22115	SHEETINGS, FINE COTTON COMBED (GRAY GOODS)
33167	SHEETS AND STRIPS, STEEL, COLD ROLLED, NOT MADE IN STEEL MILL
24994	SHEETS, CORK
23928	SHEETS, COTTON MADE FROM PURCHASED FABRIC
22118	SHEETS, COTTON, MADE IN BROADWOVEN FABRIC MILLS
30793	SHEETS, LAMINATED, PLASTICS
22219	SHEETS OF MANMADE FIBER FABRICS: MADE IN BROADWOVEN FABRIC MILL
26495	SHELF PAPER, PRINTED AND UNPRINTED
28516	SHELLAC AND SPIRIT VARNISHES, INDUSTRIAL
28519	SHELLAC, BLEACHED (NOT VARNISH)
28513	SHELLAC VARNISH
20362	SHELLFISH, FRESH PACKAGED
20361	SHELLFISH, PACKAGED FROZEN
19291	SHELLS, ARTILLERY, OVER 30 MM. (OR OVER 1.18 INCHES)
19610	SHELLS, PAPER, 30 MM. (OR 1.18 INCHES) AND UNDER, EMPTY, BLANK, AND LOADED
19610	SHELLS, SMALL FIREARMS, 30 MM. (1.18 INCHES) AND UNDER, EMPTY, BLANK, AND LOADED
24332	SHELTERS, WOOD, PREFABRICATED, SOLD AS COMPLETE UNITS, INCLUDING THOSE SHIPPED IN SECTIONS OR PANELS
25117	SHELVES, HANGING, WOOD, UNPAINTED
25112	SHELVES, HANGING, WOODEN, PAINTED OR FINISHED
33159	SHELVES, WIRE, FERROUS, MADE IN WIREDRAWING PLANT
34819	SHELVES, WIRE, FERROUS, NOT MADE BY WIREDRAWERS
25420	SHELVING, METAL
25410	SHELVING, WOOD, OFFICE AND STORE
20240	SHERBET
20234	SHERBET MIX, UNFROZEN, MADE IN CONDENSED OR EVAPORATED MILK PLANTS
36231	SHIELDS, ARC WELDING
23850	SHIELDS, WATERPROOF, EXCEPT ALL RUBBER
32924	SHINGLES AND CLAPBOARD, ASBESTOS--CEMENT
29523	SHINGLES, ASPHALT AND TAR ROOFING
24290	SHINGLES, WOOD, INCLUDING RED CEDAR, A SAWMILL PRODUCT
34291	SHIP JOINERS' HARDWARE
37316	SHIP REPAIR, NONMILITARY
37314	SHIP REPAIR, U.S. MILITARY
33579	SHIPBOARD CABLE, NONFERROUS PRODUCED IN WIREDRAWING ESTABLISHMENT
24212	SHIPLAPPED LUMBER, DRESSED, MADE IN A SAWMILL OR PLANING MILL
30794	SHIPPING AND PACKAGING CONTAINERS, PLASTICS
26433	SHIPPING SACKS OR BAGS, PAPER, SINGLE, DOUBLE, OR MULTIWALL
26218	SHIPPING SACK, INCLUDING COMBINATION KRAFT AND ROPE, BLEACHED AND SEMIBLEACHED
26217	SHIPPING SACKS, UNBLEACHED KRAFT
37311	SHIPS AND BARGES, NONPROPELLED, NEW
37313	SHIPS, PASSENGER, SELF-PROPELLED NONMILITARY
37312	SHIPS, SELF-PROPELLED, U.S. MILITARY, NEW
22562	SHIRT FABRIC FOR OUTERWEAR, CIRCULAR KNIT AND FINISHED IN KNIT FABRIC MILL
22213	SHIRTINGS, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22114	SHIRTING COVERTS, COTTON (GRAY GOODS)
22114	SHIRTING FABRICS, MADE OF COTTON CARDED YARN (GRAY GOODS)
22115	SHIRTINGS, FINE COTTON (GRAY GOODS)
23214	SHIRTS, DRESS, WOVEN, INCLUDING UNIFORM, MEN'S, YOUTHS', AND BOYS', MADE FROM PURCHASED FABRIC
23317	SHIRTS (EXCEPT KNIT OUTERWEAR SPORT SHIRTS), WOMEN'S, MISSES', AND JUNIORS', MADE FROM PURCHASED FABRIC
23610	SHIRTS, (EXCEPT KNIT SPORT SHIRTS), GIRLS', CHILDREN'S, AND INFANTS', SIZES 1 TO 16
23219	SHIRTS (EXCEPT WORK), MEN'S, YOUTHS' AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23619	SHIRTS, GIRLS', CHILDREN'S, AND INFANTS' (CONTRACT RECEIPTS)
23699	SHIRTS, KNIT, GIRLS' AND CHILDREN'S, COMMISSION RECEIPTS
23612	SHIRTS, KNIT SPORT, GIRLS' AND CHILDREN'S MADE FROM PURCHASED FABRIC
22532	SHIRTS, SPORT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	SHIRTS, SPORT, MEN'S, YOUTHS', AND BOYS', MADE FROM PURCHASED KNIT FABRICS
23312	SHIRTS, SPORT, KNIT OUTERWEAR, WOMEN'S, MISSES', AND JUNIORS', MADE FROM PURCHASED KNIT FABRIC (INCLUDING POLO, TENNIS, T, SWEAT, ETC.)
23214	SHIRTS, SPORT, WOVEN, MEN'S, YOUTHS, AND BOYS', MADE FROM PURCHASED FABRIC
23281	SHIRTS, WORK, MEN'S, YOUTHS', AND BOYS'
23289	SHIRTS, WORK, MEN'S, YOUTHS', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23319	SHIRTS, WOMEN'S, MISSES', AND JUNIORS' (COMMISSION AND CONTRACT RECEIPTS)
37141	SHOCK ABSORBERS, VEHICLE
31310	SHOE AND BOOT CUT STOCK AND FINDINGS
22414	SHOE AND BOOT LACES, NOT LEATHER BRADED
30698	SHOE AND SLIPPER FABRIC, RUBBER COATED
23920	SHOE BAGS
26318	SHOE BOARD, WET MACHINE BOARD
24994	SHOE FITTINGS, CORK
24995	SHOE FORMS, WOODEN
24995	SHOE, LASTS, WOOD
22561	SHOE NETTING, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
28424	SHOE POLISHES AND CLEANERS, LIQUID, PASTE AND CAKE
24995	SHOE STRETCHERS, WOODEN
24995	SHOE TREES, WOODEN
35595	SHOEMAKING AND REPAIRING MACHINERY AND EQUIPMENT
31310	SHOES AND BOOTS, OUTER AND INNER SOLES, HEELS, LIFTS, COUNTERS, AND PLATFORMS, CUT STOCK AND FINDINGS
39493	SHOES, ATHLETIC
31417	SHOES FOR SPORTS
31416	SHOES, INFANTS' AND BABIES'
31412	SHOES, MEN'S, WORK
31411	SHOES, MEN'S, DRESS AND PLAY SHOES
31415	SHOES, MISSES' AND CHILDREN'S
30798	SHOES, PLASTIC
31414	SHOES, WOMEN'S WORK, DRESS, PLAY
31413	SHOES, YOUTHS' AND BOYS'
24412	SHOOK, BOX: FRUIT, VEGETABLE, ETC., MADE FROM LUMBER, VENEER, AND PLYWOOD
26431	SHOPPING BAGS, PAPER
27526	SHOPPING NEWS, PRINTED BY LITHOGRAPHIC PROCESS
27413	SHOPPING NEWS, PUBLISHING
20961	SHORTENING, LIQUID
20961	SHORTENING OILS, VEGETABLE, MIXED ANIMAL AND VEGETABLE
35791	SHORTHAND MACHINES
23292	SHORTS, ATHLETIC, MEN'S, YOUTHS'' AND BOYS'', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22541	SHORTS (KNIT UNDERWEAR), MEN'S AND BOYS' MADE FROM YARNS OR FABRICS KNIT IN SAME ESTABLISHMENT
23393	SHORTS, PLAY, WOMEN'S AND MISSES'
23271	SHORTS, SEPARATE DRESS, MEN'S AND BOYS'
23221	SHORTS, UNDERWEAR, MEN'S AND BOYS'', MADE OF WOVEN OR PURCHASED KNIT FABRIC
20412	SHORTS, WHEAT
19610	SHOT, LEAD FOR SMALL FIREARMS, 30 MM. (1.18 INCHES) AND UNDER
19610	SHOTGUN SHELLS, FOR SMALL FIREARMS 30 MM. (1.18 INCHES) AND UNDER
19512	SHOTGUNS AND PARTS
23961	SHOULDER PADS, SUITS AND COATS FOR SALE AS SUCH
23413	SHOULDERETTES, WOMEN'S AND CHILDREN'S NIGHTWEAR, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
34233	SHOVELS
35314	SHOVELS, POWER
25420	SHOW CASE, METAL, OFFICE AND STORE, NONREFRIGERATED
35853	SHOW CASES, OFFICE AND STORE, REFRIGERATED
25410	SHOW CASES, WOOD, OFFICE AND STORE, NONREFRIGERATED
23850	SHOWER CAPS, EXCEPT ALL RUBBER
23920	SHOWER CURTAINS, MADE FROM PURCHASED FABRIC, AND PLASTIC
34421	SHOWER DOORS AND TUB ENCLOSURES, METAL
34320	SHOWER FITTINGS, BRASS GOODS
32722	SHOWER RECEPTORS, PRECAST CONCRETE
30210	SHOWER SANDALS OR SLIPPERS, RUBBER
31417	SHOWER SHOES, EXCEPT RUBBER
34310	SHOWER STALLS AND RECEPTORS, ENAMELED IRON AND STEEL
32592	SHOWER STALLS, EARTHENWARE

Code	Product
32610	SHOWER STALLS, INCLUDING RECEPTORS, VITREOUS CHINA AND GLAZED EARTHENWARE
26495	SHREDDED PAPER FOR PACKING
20310	SHRIMP, CANNED, EXCEPT FROZEN
20361	SHRIMP, FRESH PACKAGED, FROZEN
34443	SHUTTERS, SOFFITS, FASCIA, ALUMINUM SHEET
24318	SHUTTERS, WOOD, EXTERIOR MILLWORK
35227	SICKLE-BAR LAWNMOWERS
34232	SICKLES
35318	SIDE BOOMS AND PIPE HANDLERS, CONSTRUCTION MACHINERY FOR MOUNTING ON TRACTORS
37510	SIDE CARS FOR MOTORCYCLES
35340	SIDEWALK ELEVATORS
29523	SIDING, ASPHALT
24212	SIDING LUMBER, DRESSED MADE IN A SAWMILL OR PLANING MILL
34441	SIDING, METAL, FOR BUILDING
38312	SIGHTING AND FIRE-CONTROL EQUIPMENT MADE FROM LENSES, PRISMS, ETC., PRODUCED IN THIS PLANT
19410	SIGHTING AND FIRE CONTROL EQUIPMENT MADE FROM PURCHASED LENSES
38312	SIGHTS, TELESCOPIC, MADE IN OPTICAL PLANTS
39932	SIGN LETTERS
36112	SIGNAL GENERATORS, ELECTRICAL
33579	SIGNAL WIRE AND CABLE
36121	SIGNALING TRANSFORMERS
36623	SIGNALS, STREET TRAFFIC AND RAILWAY, ELECTRIC
24995	SIGNBOARDS, WOOD
39931	SIGNS, LUMINOUS TUBING AND BULB (ELECTRIC)
39932	SIGNS, METAL, NONELECTRIC
39932	SIGNS, NONELECTRIC AND ADVERTISING DISPLAYS
28199	SILICA GEL
32950	SILICA, GROUND OR TREATED
28197	SILICATES, POTASSIUM AND SODIUM COMPOUNDS
32911	SILICON CARBIDE, ABRASIVE SIZED GRAINS, POWDER AND FLOUR
32912	SILICON OXIDE, ABRASIVE, BONDED
28214	SILICONE RESIN
22217	SILK FABRICS, 100% SPUN YARN, INCLUDING SILK MIXTURES
22628	SILK FABRICS, BROADWOVEN, FINISHING OF, FROM PURCHASED MATERIAL
22218	SILK FABRICS, FINISHED, MADE IN BROADWOVEN FABRIC MILLS
22414	SILK FABRICS, NARROW, BRAIDED
22411	SILK FABRICS, NARROWWOVEN
22218	SILK FINISHED GOODS, MADE IN BROADWOVEN FABRIC MILLS
22628	SILK GOODS, FINISHING OF FROM BROADWOVEN PURCHASED MATERIAL
22217	SILK MIXTURES, 100% SPUN YARN FABRICS
22814	SILK YARNS, SPUN, GRAY OR FINISHED IN YARN SPINNING MILLS
32722	SILO STAVES, PRECAST CONCRETE
28424	SILVER CLEANERS AND POLISHERS
38616	SILVER HALIDE TYPE SENSITIZED PHOTOGRAPH PAPER AND CLOTH
39141	SILVER HOLLOW WARE INCLUDING ECCLESIASTICAL WARE, NOVELTIES, TROPHIES, AND BABY GOODS
33395	SILVER, PRIMARY SMELTING, ALLOYED AND UNALLOYED
33415	SILVER, SECONDARY SMELTING AND REFINING, ALLOY AND UNALLOY
39141	SILVERWARE, PLATED WARE AND STAINLESS STEELWARE
33121	SILVERY IRON, MADE IN BLAST FURNACES
33134	SILVERY IRON, NOT MADE IN BLAST FURNACE
35453	SINE BARS AND V-BLOCKS, TOOLROOM
32723	SINGLE TREES, DOUBLE TREES AND CHANNELS PRESTRESSED CONCRETE PRODUCTS
32610	SINK AND LAUNDRY TRAY COMBINATIONS, VITREOUS CHINA, AND GLAZED EARTHENWARE
34320	SINK FITTINGS, BRASS GOODS
25410	SINK TOPS, LAMINATED WOOD
34310	SINKS, KITCHEN
32610	SINKS, VITREOUS CHINA, AND GLAZED EARTHENWARE
33121	SINTER AND FUEL DUST FROM ORE, BLAST FURNACE
20860	SIRUP FOR SOFT DRINK BLENDING MACHINE PREMIX OR PART MIX
20630	SIRUP, MADE FROM BEET SUGAR
20999	SIRUP, MAPLE, PURE
20610	SIRUP, SUGAR CANE (FROM WHICH NO SUGAR HAS BEEN REMOVED)
20620	SIRUP, SUGAR, MADE FROM REFINED SUGAR CANE
20874	SIRUPS, CARAMEL
20728	SIRUPS, CHOCOLATE (MADE FROM COCOA BEANS OR NIBS GROUND IN THIS ESTABLISHMENT) LIQUID OR POWDER BASE
20998	SIRUPS, CHOCOLATE (MADE FROM PURCHASED CHOCOLATE OR COCOA) LIQUID OR POWDER BASE
20460	SIRUPS, CORN, INCLUDING SOLIDS
20874	SIRUPS, FLAVORING, FOR FOUNTAIN, ICE CREAM, HOME BEVERAGE USE, ALL FLAVORS, EXCEPT CHOCOLATE SIRUPS
20873	SIRUPS, FLAVORING, FOR USE BY SOFT DRINK BOTTLERS
20993	SIRUPS, SWEETENING
22930	SISAL-PADS
24262	SKI DIMENSION STOCK, HARDWOOD
23282	SKI JACKETS FOR MEN AND BOYS
35351	SKI LIFTS
23292	SKI PANTS, MEN'S AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22562	SKI SUIT FABRICS, CIRCULAR KNIT AND FINISHED IN A KNITTING MILL
23393	SKI SUITS, WOMEN'S AND MISSES'
24992	SKIDS, WOODEN OR WOOD AND METAL COMBINATION
37323	SKIFFS
20231	SKIM MILK, DRY
20261	SKIM MILK, FLUID BULK
20262	SKIM MILK, PACKAGED
39493	SKIN DIVING EQUIPMENT, EXCEPT CLOTHING, WATCHES AND CAMERAS
20119	SKINS
23374	SKIRTS AND JACKETS, WOMEN'S AND MISSES', SEPARATE, AND INCLUDING UNIFORM
23379	SKIRTS, EXCEPT KNIT, WOMEN'S, MISSES', AND JUNIORS' (CONTRACT AND COMMISSION RECEIPTS)
23690	SKIRTS, GIRLS', CHILDREN'S, AND INFANTS' MADE FROM WOVEN OR PURCHASED KNIT FABRIC
39493	SKIS, WATER OR SNOW AND EQUIPMENT
34443	SKYLIGHTS, SHEET METAL
32723	SLABS, TILE AND PANELS, PRESTRESSED CONCRETE PRODUCTS
22523	SLACK AND KNEE LENGTH SOCKS FOR BOYS, FINISHED AND SEAMLESS, MADE OF COTTON, ALL OTHER YARNS AND MIXTURES
22522	SLACK HOSE, MEN'S FINISHED SEAMLESS HOSIERY, MADE OF NYLON, COTTON, ACRYLIC, OTHER YARNS AND MIXTURES
23292	SLACK SUITS, MEN'S, YOUTHS', AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23393	SLACK SUITS, WOMEN'S AND MISSES'
23690	SLACKS AND SLACK SUITS, GIRLS' AND CHILDREN'S MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23271	SLACKS, DRESS AND SPORT, MEN'S, YOUTHS', AND BOYS'
23393	SLACKS, INCLUDING WORK SLACKS, WOMEN'S AND MISSES'
22533	SLACKS, FROM YARNS OR FABRIC KNIT AT THE ESTABLISHMENT
23282	SLACKS, WORK, MEN'S, YOUTHS', AND BOYS'
33121	SLAG, BLAST FURNACE PRODUCTS
32950	SLAG, CRUSHED
32410	SLAG LIME
32813	SLATE, CUT-STONE
24995	SLATS, WOODEN, FOR PENCILS
34233	SLEDGES, HAMMERS
39430	SLEDS, CHILDREN'S
22543	SLEEPERS AND PAJAMAS WITH FEET, KNIT HEAVYWEIGHT, INFANTS AND TODDLERS, MADE FROM YARNS OR FABRIC KNIT AT THE SAME ESTABLISHMENT
28342	SLEEP INDUCERS, PROPRIETARY PREPARATIONS
23990	SLEEPING BAGS, FROM PURCHASED FABRIC
35512	SLICERS, COMMERCIAL, FOOD
35512	SLICING MACHINES, BAKERY
38113	SLIDE RULES
38615	SLIDES AND GLASS PLATES, PHOTOGRAPHIC
34292	SLIDES, FURNITURE HARDWARE
34294	SLIDING AND FOLDING DOOR HARDWARE
23920	SLIP COVERS, EXCEPT EMBROIDERED, FOR FURNITURE, MATTRESS, ETC., MADE FROM PURCHASED FABRIC
31420	SLIPPER SOCKS, MADE FROM PURCHASED SOCKS
22523	SLIPPER SOCKS, SEAMLESS, FINISHED AND PARTIALLY FINISHED, MADE FROM OWN MATERIALS
31417	SLIPPERS, BEACH AND SHOWER, EXCEPT RUBBER
31420	SLIPPERS, HOUSE
31417	SLIPPERS, MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS', EXCEPT RUBBER
22542	SLIPS AND HALF-SLIPS, MADE FROM YARNS OR FABRIC KNIT IN THE SAME ESTABLISHMENT
23412	SLIPS AND HALF-SLIPS, WOMEN'S AND CHILDRENS', MADE OF WOVEN OR PURCHASED KNIT FABRIC
35451	SLITTING SAWS AND SCREW SLOTTING, CUTTING, SMALL CUTTING TOOLS
22970	SLUBS AND NUBS, WOOL OR OTHER
19512	SMALL ARMS, 30 MM. (OR 1.18 INCHES) AND UNDER, INCLUDING PARTS AND ATTACHMENTS
19610	SMALL ARMS AMMUNITION, 30 MM. (1.18 INCHES) AND UNDER
23850	SMOCKS, WOMEN'S, MISSES', AND CHILDREN'S, PLASTIC AND RUBBERIZED (WATERPROOF), EXCEPT ALL RUBBER
23392	SMOCKS, WOMEN'S, MISSES', AND JUNIORS'
19990	SMOKE GENERATORS (ORDNANCE) AND PARTS
34443	SMOKE PIPES, SHEET METAL
20310	SMOKED FISH (SALMON, HERRING, WHITEFISH, CHUB, CISCO, ETC.)
20154	SMOKED OR COOKED POULTRY, INCLUDING DEBONED
20136	SMOKED PORK (NOT OTHERWISE COOKED) NOT CANNED OR MADE INTO SAUSAGE, NOT MADE IN MEATPACKING PLANT
20116	SMOKED PORK (NOT OTHERWISE COOKED), NOT CANNED OR MADE INTO SAUSAGE, PROCESSED IN MEATPACKING PLANT
20310	SMOKED SALMON
28921	SMOKELESS POWDER, INDUSTRIAL
23840	SMOKING JACKETS
25112	SMOKING STANDS OR CABINETS, WOODEN, PAINTED OR FINISHED
39642	SNAP FASTENERS
36625	SNIPERSCOPES AND SNOOPERSCOPES
35227	SNOW BLOWERS AND SNOW THROWERS
24218	SNOW FENCE LATH STOCK
24995	SNOW FENCE, WOODEN, COMPLETE
23393	SNOW LEGGINGS, SEPARATE, WOMEN'S AND MISSES'
23630	SNOW PANTS AND COAT SETS, GIRLS' AND INFANTS'
23292	SNOW PANTS, MEN'S AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23393	SNOW PANTS, SEPARATE, WOMEN'S AND MISSES'
35319	SNOW PLOWS, FOR MOUNTING ON TRACTORS OR TRUCKS
22562	SNOW SUIT FABRICS, CIRCULAR KNIT AND FINISHED IN A KNITTING MILL
23639	SNOW SUITS, GIRLS', CHILDREN'S AND INFANTS' (RECEIPTS FOR CONTRACT WORK)
23393	SNOW SUITS, WOMEN'S, MISSES', AND JUNIORS'
37992	SNOWMOBILES, SELF-PROPELLED
21310	SNUFF AND SNUFF FLOUR
28413	SOAP, BARS, CHIPS, FLAKES, LIQUID, HOUSEHOLD
28413	SOAP, CHIPS, FLAKES, GRANULATED POWDERED, SPRAYED, AND LIQUID, HOUSHOLD
28412	SOAP, BULK, EXCEPT SPECIALTY CLEANERS, NONHOUSEHOLD
28412	SOAPS, CHIPS, FLAKES, GRANULATED POWDERED, SPRAYED, AND WASHING POWDERS, NONHOUSEHOLD, BULK
20943	SOAPSTOCK, RAW AND ACIDULATED
32950	SOAPSTONE, GROUND OR TREATED
36430	SOCKETS, ELECTRIC
22524	SOCKS AND ANKLETS EXCEPT MISSES' KNEE-LENGTH, FOR MISSES AND CHILDREN, SHIPPED IN THE GRIEGE
22522	SOCKS, ATHLETIC AND CREW, FOR MEN, FINISHED AND SEAMLESS, MADE OF COTTON, WOOL, ACRYLIC, OTHER YARNS AND MIXTURES
22523	SOCKS, FOR BOYS, FINISHED, SEAMLESS SLACK AND KNEE-LENGTH, ATHLETIC AND CREW SOCKS MADE OF COTTON, ALL OTHER YARNS AND MIXTURES
22523	SOCKS, INFANTS', SLIPPER, ALL TYPES, FINISHED OR PARTIALLY FINISHED
22523	SOCKS, KNEE-LENGTH, CHILDREN'S, ALL FIBERS, FINISHED
22513	SOCKS, KNEE-LENGTH-MISSES' INCLUDING CAMPUS AND BERMUDAS ETC., ALL FIBERS
22515	SOCKS, KNEE-LENGTH, MISSES', INCLUDING CAMPUS, BERMUDAS, ETC., SHIPPED IN THE GREIGE
34233	SOD CUTTERS, HAND
28122	SODA ASH, AMMONIA SODA AND CAUSTIC CARBONATION PROCESS
35857	SODA FOUNTAIN EQUIPMENT, REFRIGERATED
28124	SODA, MODIFIED, SAL, OR ASH
26112	SODA WOODPULP
28196	SODIUM ALUMINATE, ALUMINUM COMPOUND
28197	SODIUM AND POTASSIUM COMPOUNDS, EXCEPT BLEACHES, ALKALIES, ALUMS
28192	SODIUM BLEACH COMPOUND
28122	SODIUM CARBONATE, AMMONIA SODA AND CAUSTIC CARBONATION PROCESS
28124	SODIUM CARBONATE, BY ELECTROLYTIC PROCESS
28182	SODIUM CARBOXYMETHYL CELLULOSE
28991	SODIUM CHLORIDE
28123	SODIUM HYDROXIDE
28122	SODIUM HYDROXIDE, CAUSTIC SODA
28197	SODIUM, METAL
28197	SODIUM PHOSPHATE

Code	Product
36121	SODIUM VAPOR LAMP TRANSFORMERS
25154	SOFAS, CONVERTIBLE
25221	SOFAS, METAL, OFFICE, INCLUDING UPHOLSTERED
25121	SOFAS, UPHOLSTERED WOOD HOUSEHOLD, EXCEPT DUAL PURPOSE
25210	SOFAS, WOOD, OFFICE INCLUDING UPHOLSTERED
20513	SOFT CAKES ALL TYPES, INCLUDING POUND, LAYER, FRUIT, ETC.
20874	SOFT DRINK POWDERS AND TABLETS FOR FLAVOR, EFFERVESCENT OR NONEFFERVESCENT
20860	SOFT DRINK SIRUP FOR BLENDING MACHINES-PREMIX OR PART MIX
20860	SOFT DRINKS, BULK PREMIX AND POST MIX FOR BLENDING MACHINE
20860	SOFT DRINKS, CANNED AND BOTTLED, DIETETIC AND NONDIETETIC CARBONATED
20860	SOFT DRINKS, STILL, BOTTLED AND CANNED DIETETIC OR NONDIETETIC
28430	SOFTENERS, SOLUBLE OILS AND GREASES
24217	SOFTWOOD CUT STOCK, FURNITURE OR INDUSTRIAL
28611	SOFTWOOD DISTILLATION PRODUCTS
24218	SOFTWOOD FLOORING
24323	SOFTWOOD PLYWOOD, EXTERIOR
24322	SOFTWOOD PLYWOOD, INTERIOR
24326	SOFTWOOD VENEER
28790	SOIL CONDITIONERS
28790	SOIL FUMIGANTS
35316	SOIL STABILIZATION POWERS
28993	SOIL TESTING KITS, CHEMICAL
36749	SOLAR CELLS
34336	SOLAR HEATERS, HEATING EQUIPMENT
33323	SOLDER, LEAD ALLOY, REFINED PRIMARY
33413	SOLDER, LEAD ALLOY, SECONDARY REFINERS
34233	SOLDERING IRONS, ELECTRIC
31111	SOLE LEATHER, SHOES FINISHED CATTLE HIDE
36293	SOLENOIDS, ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE
30696	SOLES AND HEELS, RUBBER
30113	SOLID TIRES
20851	SOLUBLES, DRIED, DISTILLERS'
28423	SOLVENTS, DRAIN PIPE
28185	SOLVENTS, ORGANIC
36625	SONAR, SEARCH AND DETECTION APPARATUS
28182	SORBITOL
35791	SORTERS, FILING, AND OFFICE MACHINES
36515	SOUND EQUIPMENT, COMMERCIAL
19410	SOUND LOCATORS, MILITARY (SIGHTING AND FIRE CONTROL EQUIPMENT)
38613	SOUND RECORDERS FOR MOTION PICTURES
20310	SOUP, CANNED SEAFOOD, EXCEPT FROZEN
20373	SOUP, FROZEN (EXCEPT SEAFOOD)
20342	SOUP MIX, DRIED AND DEHYDRATED
20361	SOUP, SEAFOOD (TURTLE, ETC.), PACKAGED FROZEN
20310	SOUP, TURTLE CANNED, EXCEPT FROZEN
20322	SOUPS, CANNED, EXCEPT FROZEN OR SEAFOOD
20321	SOUPS, CANNED BABY FOODS, VEGETABLE AND VEGETABLE MEAT
20262	SOUR CREAM, PACKAGED
27413	SOUVENIR CARDS PUBLISHED
20922	SOY FLOUR AND GRITS
20353	SOY SAUCE
20922	SOYBEAN CAKE AND MEAL
20921	SOYBEAN OIL, CRUDE
20922	SOYBEAN OIL MILL PRODUCTS, OTHER THAN SOYBEAN OIL
20921	SOYBEAN OIL PROCESSED FOR INEDIBLE PURPOSES
20921	SOYBEAN OIL REFINED, AFTER ALKALI OR CAUSTIC WASH BUT BEFORE BLEACHING, DEODORIZING, AND/OR WINTERIZING
37292	SPACE CAPSULES
36625	SPACE SATELLITE AND OTHER IR DETECTION WARNING SYSTEMS
36627	SPACE SATELLITE COMMUNICATIONS SYSTEMS (COMPLETE PACKAGE)
37225	SPACE VEHICLE AND MISSILE ENGINES AND/OR PROPULSION UNITS
37294	SPACE VEHICLE COMPONENT (EXCEPT ENGINE AND PROPULSION UNIT) RESEARCH AND DEVELOPMENT ONLY
19254	SPACE VEHICLE SYSTEMS (EXCEPT PROPULSION), RESEARCH AND DEVELOPMENT ONLY
19252	SPACE VEHICLES, COMPLETELY ASSEMBLED, FOR MILITARY AND NONMILITARY CUSTOMERS (EXCEPT PROPULSION)
19252	SPACE VEHICLES, COMPLETE, MANNED OR UNMANNED
19255	SPACE VEHICLES, COMPLETE, SERVICES ONLY, (EXCEPT RESEARCH AND DEVELOPMENT)
34233	SPADES
20324	SPAGHETTI, CANNED, WITH OR WITHOUT MEAT
20980	SPAGHETTI, EXCEPT CANNED
28242	SPANDEX, MANMADE TEXTILE FIBERS
20324	SPANISH FOODS (MEXICAN RICE, TORTILLAS, ENCHILADAS)
36944	SPARK PLUGS
35484	SPARK PLUG CLEANERS
36795	SPEAKERS, RADIO, LOUD
26111	SPECIAL ALPHA AND DISSOLVING WOODPULP
26312	SPECIAL FOOD PAPERBOARD, SOLID WOODPULP FURNISH, BLEACHED
34522	SPECIAL INDUSTRIAL FASTENERS, EXCEPT BOLT, NUTS, SCREWS, WASHERS, RIVETS
26219	SPECIAL INDUSTRIAL PAPER, EXCEPT WINDSHIELD WIPER STOCK AND INDUSTRIAL WIPES
36121	SPECIALTY TRANSFORMERS
38311	SPECTROGRAPHS
38311	SPECTROMETERS
35662	SPEED CHANGERS, INDUSTRIAL EXCEPT AUTO, MARINE, AND AIRCRAFT
38214	SPEEDOMETERS, MOTOR VEHICLES
35623	SPHERICAL ROLLER BEARINGS-INCLUDING HOURGLASS AND BARREL
20999	SPICES, GROUND, INCLUDING PEPPER, PAPRIKA, NUTMEG, ETC.
33134	SPIEGELEISEN, NOT MADE IN BLAST FURNACES
33992	SPIKES, NONFERROUS, PRIMARY
33152	SPIKES, STEEL
20332	SPINACH, CANNED
22414	SPINDLE BANDING, BRAIDED
22411	SPINDLE BANDING, WOVEN
37295	SPINNERS, AIRCRAFT PROPELLERS
35423	SPINNING LATHES, FOR METAL-FORMING
33157	SPIRAL CLOTH, FERROUS, MADE IN WIREDRAWING PLANTS
20851	SPIRITS, ALCOHOLIC, EXCEPT FRUIT
20840	SPIRITS, ALCOHOLIC, FRUIT
20840	SPIRITS, NEUTRAL FRUIT AND BRANDY
24430	SPLINT BASKETS FOR FRUIT AND VEGETABLES
24262	SPOKES, DIMENSION HARDWOOD STOCK
33159	SPOKES, WHEEL, FERROUS WIRE MADE IN WIREDRAWING PLANT
34819	SPOKES, WHEEL, FERROUS WIRE NOT MADE BY WIREDRAWERS
30693	SPONGE AND FOAM RUBBER GOODS
30693	SPONGE, CHEMICALLY BLOWN
23920	SPONGE MOPS
28212	SPONGES, CELLULOSIC PRODUCTS, REGENERATED
30792	SPONGES, FOAMED PLASTICS
22315	SPONGING OF WOOL FABRICS, COMMISSION RECEIPTS
26552	SPOOLS, PAPERBOARD
24995	SPOOLS, WOOD, EXCEPT TEXTILE MACHINERY SPOOLS
26543	SPOONS AND FORKS PAPER, STAMPED
39142	SPOONS, METAL
24995	SPOONS, WOOD
23114	SPORT COATS AND JACKETS, TAILORED, BOYS'
23113	SPORT COATS AND JACKETS, TAILORED, MEN'S
39493	SPORT EQUIPMENT, EXCEPT FISHING EQUIPMENT, ATHLETIC APPAREL AND SHOES, AND GOLF EQUIPMENT
23612	SPORT SHIRTS, KNIT, GIRLS' AND CHILDREN'S, MADE FROM PURCHASED FABRIC
22532	SPORT SHIRTS, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	SPORT SHIRTS, KNIT OUTERWEAR, MEN'S, YOUTHS', AND BOYS', MADE FROM PURCHASED KNIT FABRICS
23312	SPORT SHIRTS, WOMEN'S, MISSES', AND JUNIORS' MADE FROM PURCHASED KNIT FABRIC
23214	SPORT SHIRTS, WOVEN, MEN'S, YOUTHS', AND BOYS' MADE FROM PURCHASED FABRIC
31417	SPORT SHOES
35222	SPRAYERS AND DUSTERS, AND ATTACHMENTS, FARM MACHINERY
35615	SPRAYING EQUIPMENT, INDUSTRIAL
25152	SPRING CUSHIONS
34813	SPRING UNITS FOR BOX SPRINGS, INNERSPRING MATTRESSES AND UPHOLSTERED FURNITURE
25153	SPRINGS--"BEDSPRINGS"
34812	SPRINGS, PRECISION, MECHANICAL
34930	SPRINGS, STEEL
34813	SPRINGS, WIRE, FOR FURNITURE, MATTRESSES AND BEDSPRINGS
34813	SPRINGS, WIRE, MOTOR VEHICLE SEATS AND BACKS
35690	SPRINKLER SYSTEMS, AUTOMATIC
34320	SPRINKLERS, LAWN, BRASS GOODS
35663	SPROCKETS, AND CHAINS EXCEPT AUTOMOBILE, AIRCRAFT, AND MARINE
20830	SPROUTS, MALT
23930	SPUN PAPER TEXTILE BAGS EXCEPT LAUNDRY, WARDROBE AND SHOE, FROM PURCHASED FABRIC
22213	SPUN RAYON AND/OR ACETATE FABRICS AND BLENDS, GRAY GOODS
38311	SPY GLASSES
35453	SQUARES, TOOLROOM
20332	SQUASH, INCLUDING PIE MIX, CANNED
35316	STABILIZATION MIXING EQUIPMENT, CONSTRUCTION MACHINERY
35370	STACKERS, TRUCKS, TRACTORS, TRAILERS, FOR INDUSTRIAL USE
36743	STACKS AND DIODES, SOLID STATE SEMICONDUCTORS
34432	STACKS, FABRICATED STEEL PLATE
25312	STADIUM AND BLEACHER SEATS, PUBLIC BUILDINGS
32316	STAINED GLASS AND STAINED GLASS SLABS, MADE OF PURCHASED GLASS
33120	STAINLESS STEEL, FINISHED SHAPES AND FORMS
33157	STAINLESS STEEL PAPER MACHINE WIRE CLOTH (FOURDRINIER AND CYLINDER), MADE IN WIREDRAWING PLANTS
34615	STAINLESS STEEL UTENSILS, STAMPED AND SPUN FOR COOKING, KITCHEN AND HOSPITAL
39141	STAINLESS STEELWARE, PLATED WARE, SILVERWARE
28152	STAINS, BIOLOGICAL
28516	STAINS, INDUSTRIAL PRODUCT FINISHES
28511	STAINS, OIL PAINT, EXTERIOR, TRADE SALE
28513	STAINS, OIL-TYPE, INTERIOR, TRADE SALES
30694	STAIR TREADS, RUBBER
24318	STAIR WORK, WOODEN, INCLUDES TREADS, RISERS, CROOKS, ETC.
34460	STAIRS, STAIRCASES, RAILINGS, METAL
35224	STALK CUTTERS, FARM, AND ATTACHMENTS
34615	STAMPED AND SPUN HOSPITAL UTENSILS, METAL, EXCEPT ALUMINUM
34614	STAMPED AND SPUN UTENSILS, ALUMINUM
23951	STAMPED ART GOODS FOR EMBROIDERING AND PUNCHING; NOT MADE IN TEXTILE MILLS (EXCEPT SCHIFFLIN-MACHINE PRODUCTS)
34612	STAMPINGS, JOB, METAL, FOR AVIATION, AGRICULTURE, ELECTRICAL APPLIANCES, FURNITURE, OFFICE MACHINE, STOVE, WASHING MACHINE, AND RADIO
27311	STANDARDIZED TESTS, SCHOOL, PRINTING AND PUBLISHING
25224	STANDS, METAL, OFFICE
33992	STAPLES, NONFERROUS, PRIMARY
33152	STAPLES, STEEL WIRE
35791	STAPLING MACHINES
20460	STARCH, CORN, LIQUID AND DRY (HOUSEHOLD)
20460	STARCH, CORN, POTATO, IRISH, WHEAT, RICE, ETC.
28423	STARCH, LAUNDRY, DRY, LIQUID, OR AEROSOL
36220	STARTERS AND CONTRACTORS FOR SQUIRREL CAGE AND WOUND ROTOR AND SYNCHRONOUS MOTORS OVER 600 VOLTS
36430	STARTING SWITCHES
30698	STATIONARY GOODS, RUBBER
26491	STATIONERY, PAPER AND ENVELOPES, PACKAGED
32990	STATUARY, NONMETALLIC MINERAL
24290	STAVES, BARREL, A SAWMILL PRODUCT
23422	STAYS, FOR WOMEN'S PERSONAL WEAR
20362	STEAKS, FISH, FRESH PACKAGED
34431	STEAM CONDENSERS AND HEAT EXCHANGERS, BOILER SHOP
35112	STEAM ENGINES AND PARTS
35891	STEAM TABLES, COMMERCIAL
34943	STEAM TRAPS, FOR PIPING SYSTEMS, THERMOSTATIC AND MECHANICAL
34944	STEAM TRAPS FOR PLUMBING AND HEATING
34944	STEAM TRAPS, PLUMBING AND HEATING VALVES (EXCEPT BRASS GOODS)
35112	STEAM TURBINE, GEAR UNITS (INCLUDING THE VALUE OF THE GEARS)
35111	STEAM TURBINE GENERATOR SET UNITS AND PARTS
25143	STEAMER CHAIRS, METAL OUTDOOR
25117	STEAMER CHAIRS, WOOD
28183	STEARIC ACID
20943	STEARIN, ANIMAL, INEDIBLE
20110	STEARIN, EDIBLE
20961	STEARIN, VEGETABLE OIL WINTER
32640	STEATITE ELECTRICAL PRODUCTS
33122	STEEL ALLOY SHAPES AND FORMS SEMIFINISHED
33996	STEEL, ANNEALING AND PICKLING OF, FOR THE TRADE
33168	STEEL BARS AND BAR SHAPES, COLD FINISHED, NOT MADE IN STEEL MILL
33128	STEEL, BARS AND BAR SHAPES, COLD FINISHED, PRODUCED FROM OWN HOT ROLLED MATERIALS IN STEEL MILLS
34422	STEEL CASEMENT WINDOW SASH AND FRAMES
33152	STEEL CUT NAILS, SPIKES, AND BRADS

Code	Product
34413	STEEL, FABRICATED STRUCTURAL, EXCEPT FOR BUILDINGS AND BRIDGES
34411	STEEL, FABRICATED STRUCTURAL, FOR BUILDINGS ONLY
33911	STEEL FORGINGS, CLOSED DIE
33996	STEEL, HEAT TREATING OF, FOR THE TRADE
34335	STEEL HEATING BOILERS, STEAM OR HOT WATER BOILERS
33123	STEEL, HOT ROLLED SHEET AND STRIP, CARBON, ALLOY, AND STAINLESS STEEL
33122	STEEL INGOT AND SEMIFINISHED SHAPES, CARBON, ALLOY, AND STAINLESS STEEL
33231	STEEL INVESTMENT CASTINGS, STEEL FOUNDRY
33152	STEEL WIRE NAILS AND SPIKES AND BRADS
34911	STEEL PAILS FOR SHIPPING
33176	STEEL PIPE AND TUBE, NOT MADE IN STEEL MILL
33126	STEEL PIPE AND TUBE, PRODUCED IN STEEL MILLS
34432	STEEL PLATE, FABRICATED
33124	STEEL PLATES
34433	STEEL POWER BOILERS, PARTS AND ATTACHMENTS, OVER 15 P.S.I.
33167	STEEL, SHEET AND STRIP, COLD ROLLED, NOT MADE IN STEEL MILL
33127	STEEL, SHEET AND STRIP, COLD ROLLED, PRODUCED FROM OWN HOT ROLLED MATERIAL IN STEEL MILLS
34930	STEEL SPRINGS
33152	STEEL TACKS (WIRE AND CUT)
33159	STEEL WIRE CAGES, FERROUS MADE IN WIREDRAWING PLANT
34819	STEEL WIRE CAGES, FERROUS NOT PRODUCED BY WIREDRAWERS
33155	STEEL WIRE, NOT PRODUCED IN STEEL MILL
33125	STEEL WIRE, PRODUCED IN STEEL MILLS
33151	STEEL WIRE STRAND, MADE IN WIREDRAWING PLANTS
32914	STEEL WOOL
20460	STEEPWATER CONCENTRATE (WET CORN MILLING BYPRODUCT)
35720	STENCIL-CUTTING TYPEWRITERS, INCLUDING PARTS AND ATTACHMENTS
28930	STENCIL INKS
39550	STENCIL PAPER
39530	STENCILS, MARKING, DEVICES ALSO STENCIL MACHINES
23412	STEPINS, WOMEN'S AND CHILDREN'S, MADE FROM WOVEN OR PURCHASED KNIT FABRICS
24995	STEPLADDERS, WOODEN
27940	STEREOTYPING, ELECTROTYPING AND MATRIX PLATES FOR LETTERPRESS
35552	STEREOTYPING MACHINERY AND EQUIPMENT
38430	STERILIZERS, DENTAL
38421	STERILIZERS, SURGICAL AND MEDICAL
29110	STILL GAS
38611	STILL PICTURE COMMERCIAL TYPE PROCESSING EQUIPMENT, INCLUDING DEVELOPING AND CONTINUOUS PRINTING MACHINE
24290	STOCK, COOPERAGE, A SAWMILL PRODUCT
24262	STOCK, HARDWOOD DIMENSION, SEMIFABRICATED AND COMPLETELY FABRICATED INDUSTRIAL PASTS INCLUDING VEHICLE STOCK
22562	STOCKINETTE, CIRCULAR KNIT AND FINISHED IN A KNITTING MILL
22511	STOCKINGS, FINISHED FULL-FASHIONED FOR WOMEN AND MISSES', NYLON AND OTHER YARNS AND MIXTURES
22513	STOCKINGS FOR WOMEN AND MISSES, SEAMLESS FINISHED, ALL NYLON AND NYLON LEGS, FULL- OR KNEE-LENGTH, STRETCH OR NONSTRETCH
22513	STOCKINGS, SEAMLESS, FINISHED, FOR WOMEN AND MISSES, FULL- OR KNEE-LENGTH MADE OF COTTON, MIXTURES AND ALL OTHER YARN
22514	STOCKINGS, WOMEN'S AND MISSES', FULL-FASHIONED, ALL FIBERS, SHIPPED IN THE GREIGE
22515	STOCKINGS, WOMEN'S AND MISSES', SEAMLESS, ALL FIBERS, SHIPPED IN THE GREIGE
34336	STOKERS, MECHANICAL FOR HEATING SYSTEMS
34336	STOKERS, MECHANICAL, PARTS ONLY
23710	STOLES, FUR
28345	STOMACH, LAXATIVE, ULCER PREPARATIONS FOR HUMAN USE
32811	STONE CUT, GRANITE (DRESSED DIMENSION)
32811	STONE, CUT, GRANITE, MONUMENTAL
39130	STONES, PREPARATION OF REAL AND IMITATION GEMS FOR SETTINGS
32690	STONEWARE, TABLE AND KITCHEN, HOUSEHOLD AND COMMERCIAL
35595	STONEWORKING MACHINERY
38430	STOOLS, DENTAL
25990	STOOLS FOR FACTORIES
25112	STOOLS, HOUSEHOLD, WOOD, PAINTED OR FINISHED
38113	STOOLS, LABORATORY
25142	STOOLS, METAL KITCHEN, INCLUDING PADDED
25221	STOOLS, METAL, OFFICE, INCLUDING UPHOLSTERED
25990	STOOLS, RESTAURANT WOOD OR METAL
25210	STOOLS, WOOD, OFFICE
24994	STOPPERS, CORK
23920	STORAGE BAGS, TEXTILE AND PLASTIC FROM PURCHASED FABRIC
36912	STORAGE BATTERIES, EXCEPT S.L.I. TYPE AND PARTS FOR ALL TYPES
36911	STORAGE BATTERIES, S.L.I. TYPE (EXCEPT PARTS)
25311	STORAGE CABINETS, SCHOOL
25224	STORAGE CABINETS, METAL OFFICE FURNITURE
25210	STORAGE CABINETS, WOOD OFFICE FURNITURE
34492	STORAGE HOUSES, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
34439	STORAGE TANKS, METAL, CUSTOM FABRICATED AND FIELD ERECTED
34437	STORAGE TANKS, METAL, NONPRESSURE, FOR BULK STORAGE ABOVE OR UNDERGROUND
25420	STORE FIXTURES, METAL
25410	STORE FIXTURES, WOOD, INCLUDING DISPLAY, TABLE, WALL TO WALL AND GONDOLAS
34423	STORE FRONTS, METAL
34611	STORE FRONTS, VITREOUS--ENAMELED
23114	STORM COATS, BOYS'
23112	STORM COATS, MEN'S
34424	STORM DOORS AND SASH, METAL, COMBINATION
24315	STORM DOORS, WOOD INCLUDING COMBINATION SCREEN AND STORM
24312	STORM SASH, WOOD, INCLUDING COMBINATION SCREEN AND STORM SASH, EXCEPT WINDOW UNITS AND SCREENS
34521	STOVE BOLT AND NUTS
34443	STOVE PIPE AND FURNACE SMOKE PIPE, ELBOWS, DUCTS, ALUMINUM AND STEEL
35891	STOVES, COOKING, COMMERCIAL
36311	STOVES, ELECTRIC, HOUSEHOLD, FOR COOKING
34334	STOVES (EXCEPT ELECTRIC), DOMESTIC HEATING, EXCEPT PARTS
20820	STOUT BEER, CANS, BOTTLES, BARRELS AND KEGS
33572	STRAND, COPPER AND COPPER-BASE ALLOY, BARE AND TINNED, FOR ELECTRICAL TRANSMISSION PRODUCED IN WIREDRAWING ESTABLISHMENT
34990	STRAPPING, STEEL
22411	STRAPPING, WOVEN
26492	STRAPS, PAPER, CURRENCY
22790	STRAW CARPETS AND RUGS
23521	STRAW HATS, FINISHED, EXCLUDING MILLINERY AND HARVEST HATS
23521	STRAW HATS, MEN'S AND BOYS', FINISHED, SEWED, BRAID, OR WOVEN BODIES
23510	STRAW MILLINERY - NATURAL OR SYNTHETIC, FROM SEWN BRAID OR STRAW BODIES
26112	STRAW PULP
28232	STRAW RAYON
26543	STRAWS, DRINKING, EXCEPT GLASS
32291	STRAWS, DRINKING--MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	STRAWS, DRINKING, MADE OF PURCHASED GLASS
30798	STRAWS, DRINKING, STIRRERS AND PICKS, PLASTICS
36425	STREET AND HIGHWAY LIGHTING EQUIPMENT (EXCEPT BULBS, PARTS AND ACCESSORIES)
37423	STREET CARS
39911	STREET SWEEPING MACHINE BROOMS
24995	STRETCHERS, SHOE AND BOOT, WOODEN
22824	STRETCH (TEXTURED) YARNS
39314	STRINGED MUSICAL INSTRUMENTS AND PARTS
39314	STRINGS FOR MUSICAL INSTRUMENT, GUT AND METAL
33127	STRIP AND SHEET STEEL, COLD ROLLED PRODUCED IN STEEL MILLS
27611	STRIP, BUSINESS FORMS, CONTINUOUS IMPRINTED OR STOCK
24261	STRIP, HARDWOOD FLOORING
33167	STRIPS AND SHEETS, STEEL, COLD ROLLED, NOT MADE IN STEEL MILL
28331	STREPTOMYCIN, BULK
28348	STREPTOMYCIN, PHARMACEUTICAL FOR HUMAN USE
39430	STROLLERS
24331	STRUCTURAL ELEMENTS FOR BUILDINGS AND BRIDGES WOOD
34413	STRUCTURAL FABRICATED METAL (IRON, STEEL, ALUMINUM), EXCEPT THAT USED FOR BUILDINGS AND BRIDGES
34412	STRUCTURAL METAL, FABRICATED, FOR BRIDGES ONLY (IRON, STEEL, ALUMINUM)
34411	STRUCTURAL METAL, FABRICATED FOR BUILDINGS, IRON, STEEL OR ALUMINUM
32961	STRUCTURAL INSULATION FROM ROCK, SLAG OR GLASS
33124	STRUCTURAL SHAPES, STEEL, CARBON, ALLOY AND STAINLESS
32990	STUCCO
34521	STUDS, FERROUS AND NONFERROUS
25156	STUDIO COUCHES
39420	STUFFED TOY ANIMALS AND DOLLS
28213	STYRENE RESINS, THERMOPLASTIC
28211	STYRENE COPOLYMER, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
19511	SUBMACHINE GUNS
37312	SUBMARINES U.S. MILITARY NEW
35441	SUBPRESSES, METALWORKING
27111	SUBSCRIPTION AND SALES RECEIPTS FROM DAILY AND SUNDAY NEWSPAPERS
27215	SUBSCRIPTION AND SALES RECEIPTS FROM GENERAL PERIODICALS (I.E., PERIODICALS OTHER THAN FARM, SPECIALIZED BUSINESS, AND PROFESSIONAL)
27211	SUBSCRIPTION AND SALES RECEIPTS FROM FARM PERIODICALS
27213	SUBSCRIPTION AND SALES RECEIPTS FROM SPECIALIZED BUSINESS AND PROFESSIONAL PUBLISHING
27113	SUBSCRIPTION AND SALES RECEIPTS FROM WEEKLY AND OTHER NEWSPAPERS, EXCEPT DAILY AND SUNDAY
27217	SUBSCRIPTION, SALES, AND ADVERTISING RECEIPTS FROM RELIGIOUS, SCHOOL, SUNDAY SUPPLEMENTS AND COMICS
23112	SUBURBAN COATS FOR MEN
37423	SUBWAY CARS
20332	SUCCOTASH, CANNED
20630	SUCROSE LIQUID SUGAR - BEET
20620	SUCROSE LIQUID SUGAR - CANE
22114	SUEDES, COTTON (GRAY GOODS)
20610	SUGAR, ALL GRADES, EXCEPT REFINING ONLY
20630	SUGAR, BEET FACTORY PRODUCTS AND BYPRODUCTS, INCLUDING DISCARD MOLASSES AND BEET PULP, DRIED AND WET BEET PULP
20630	SUGAR, BEET, REFINED, INCLUDING LIQUID
20620	SUGAR, CANE, GRANULATED
20620	SUGAR, CANE, INVERT
20610	SUGAR, CANE, RAW
20620	SUGAR, CANE, REFINED, INCLUDING CUBE AND TABLET, CONFECTIONER'S POWDERED, SOFT OR BROWN, AND LIQUID SUGAR OR SUGAR SIRUP
20610	SUGAR CANE SIRUP (FROM WHICH NO SUGAR HAS BEEN REMOVED)
20630	SUGAR, CONFECTIONERS' POWDERED BEET
20620	SUGAR, CONFECTIONERS' POWDERED, CANE
35513	SUGAR PLANT MACHINERY, INCLUDING PARTS AND ATTACHMENTS
20620	SUGAR SIRUP, OR LIQUID SUGAR, FROM REFINED CANE SUGAR
23961	SUIT AND COAT AND TROUSER FINDINGS, MEN AND BOYS
31610	SUITCASES, LEATHER
22213	SUITINGS, 100% SPUN RAYON AND/OR ACETATE (GRAY GOODS)
22533	SUITS AND DRESSES, KNIT, FROM YARN OR FABRIC KNIT IN THE SAME ESTABLISHMENT
22533	SUITS, BATHING, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23114	SUITS, BOYS'
23630	SUITS, INCLUDING SNOW SUITS, GIRLS', CHILDREN'S, AND INFANTS'
23639	SUITS, INCLUDING SNOW SUITS, GIRLS', CHILDREN'S, AND INFANTS' (RECEIPT FOR CONTRACT WORK)
22541	SUITS, KNIT UNION, MEN'S AND BOY'S, MADE FROM YARNS OR FABRIC KNIT IN SAME ESTABLISHMENT
23111	SUITS, MEN'S, INCLUDING UNIFORM, EXCEPT SKI, SNOW, SLACK AND WASH
23119	SUITS, MEN'S, YOUTH', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23393	SUITS, PLAY, WOMEN'S AND MISSES'
23630	SUITS, SKI AND SNOW, GIRLS' AND INFANTS'
23393	SUITS, SKI AND SNOW, WOMEN'S
23292	SUITS, SLACK, MEN'S, YOUTHS', AND BOYS' MADE FROM PURCHASED KNIT FABRIC
23393	SUITS, SLACK, WOMEN'S AND MISSES'
23690	SUITS, SUN, CHILDREN'S AND INFANTS', MADE FROM PURCHASED KNIT FABRIC
23221	SUITS, UNION (MEN'S AND BOYS' UNDERWEAR), MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23292	SUITS, WASH, MEN'S, YOUTHS', AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23690	SUITS, WASH, WOVEN, TODDLERS, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23379	SUITS, WOMEN'S, MISSES', AND JUNIORS' (CONTRACT AND COMMISSION RECEIPTS)
23372	SUITS, WOMEN'S, MISSES', AND JUNIORS' (EXCLUDING SKI, SNOW, AND SLACK), INCLUDING UNIFORM
28331	SULFA DRUGS, SYNTHETIC, BULK
28196	SULFATE, ALUMINUM COMPOUNDS, COMMERCIAL AND IRON-FREE
28191	SULFATE, AMMONIUM, EXCEPT BYPRODUCT COKE OVEN
26112	SULFATE AND SULFITE WOODPULP
28197	SULFIDE, SODIUM COMPOUNDS, CRYSTAL, CONCENTRATED, AND LIQUID

Code	Product
28348	SULFONAMIDES, EXCEPT COMBINATIONS WITH ANTIBIOTICS, PHARMACEUTICAL FOR HUMAN USE
28349	SULFONAMIDES, VETERINARY, PHARMACEUTICAL
28430	SULFONATED FATS AND OILS
28199	SULFUR COMPOUNDS AND REFINED
28790	SULFUR, CONTAINING PREPARATIONS FOR AGRICULTURE
28193	SULFURIC ACID
35615	SUMP PUMPS
38513	SUN GLASSES AND GOGGLES
36410	SUN LAMP BULBS
25112	SUN ROOM FURNITURE, EXCEPT UPHOLSTERED, WOOD, PAINTED OR FINISHED
23690	SUN SUITS, CHILDREN'S AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22533	SUN SUITS, GIRLS', CHILDREN'S, AND INFANTS' MADE FROM YARNS OF FABRICS KNIT IN THE SAME ESTABLISHMENT
32316	SUNGLASS LENSES, NONPRESCRIPTION FROM PURCHASED GLASS
28445	SUNTAN LOTIONS
28711	SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZERS
28711	SUPERPHOSPHATE, NORMAL AND ENRICHED, CONCENTRATED AND DEFLUORINATED
28430	SURFACE ACTIVE AND FINISHING AGENTS
26452	SURFACE-COATED PAPERBOARD
36311	SURFACE COOKING TOPS, ELECTRIC FOR HOUSEHOLD
38410	SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS
38421	SURGICAL CORSETS
38421	SURGICAL DRESSING, INCLUDING ADHESIVE PLASTER, GAUZE, COTTON SPONGES, COMPRESSES AND PADS
38421	SURGICAL, ORTHOPEDIC, PROSTHETIC APPLIANCES AND SUPPLIES
38113	SURVEYING AND DRAFTING INSTRUMENTS
23890	SUSPENDERS
38421	SUTURE MATERIAL, SURGICAL
23961	SWEAT BANDS FOR HATS
23612	SWEATSHIRTS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM PURCHASED KNIT FABRIC
22532	SWEATSHIRTS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	SWEATSHIRTS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRICS
23312	SWEATSHIRTS, WOMEN'S, MISSES', AND JUNIORS', MADE FROM PURCHASED KNIT FABRIC
22562	SWEATER FABRICS CIRCULAR KNIT AND FINISHED IN A KNIT FABRIC MILL
22531	SWEATERS AND SWEATER BOTTOMS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23699	SWEATERS, GIRLS' AND CHILDREN'S--COMMISSION RECEIPTS
23690	SWEATERS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRICS
23292	SWEATERS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRICS
23393	SWEATERS, WOMEN'S AND MISSES', MADE FROM PURCHASED KNIT FABRIC
35319	SWEEPERS, MOTOR, PICK-UP
20332	SWEET CORN, WHOLE KERNEL AND CREAM STYLE, CANNED
20332	SWEET POTATOES, CANNED
20512	SWEET ROLLS, YEAST, RAISED
20512	SWEET YEAST GOODS-SWEET ROLLS AND COFFEE CAKE ETC.
20993	SWEETENING SIRUPS, AND MOLASSES NOT MADE IN SUGAR REFINERIES
23690	SWIMWEAR, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23699	SWIMWEAR, GIRLS' AND CHILDREN'S--COMMISSION RECEIPTS
22533	SWIMWEAR, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
22217	SWIMWEAR MADE OF ELASTIC CORE YARN (RUBBER OR SPANDEX), 100% SPUN YARN FABRICS
23292	SWIMWEAR, MEN'S, YOUTHS', AND BOYS' MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23393	SWIMWEAR, WOMEN'S, MISSES', AND JUNIORS'
25143	SWINGS, METAL OUTDOORS
25117	SWINGS, WOOD, OUTDOOR FURNITURE
23392	SWIRLS, WOMEN'S AND MISSES' WASHABLE SERVICE APPAREL
23951	SWISS LOOM PRODUCTS
36442	SWITCH AND OUTLET WALL PLATES
38711	SWITCH CLOCKS AND TIMERS, COMPLETE
24911	SWITCH TIES, RAILWAY, WOOD OWNED AND TREATED BY THIS ESTABLISHMENT
36443	SWITCH BOXES, NONCURRENT-CARRYING
33574	SWITCHBOARD WIRE AND CABLE PRODUCED IN WIREDRAWING PLANT
36611	SWITCHBOARDS, TELEPHONE, CENTRAL OFFICE, PBX, TRUNK, AND TOLL
36133	SWITCHES, 750 VOLTS AND UNDER, EXCEPT ONES COMMONLY KNOWN AS SNAP, TOGGLE, ROTARY, AND THOSE INTENDED FOR USE WITH ELECTRIC MOTORS
36945	SWITCHES DESIGNED FOR USE IN VEHICLES AND AIRCRAFTS
36430	SWITCHES, ELECTRIC, EXCEPT KNIFE, TIME, SOLENOID, AUTOMOBILE
36795	SWITCHES, RADIO BAND-WAVE
36131	SWITCHGEAR, INCLUDING POWER SWITCHGEAR ASSEMBLIES AND POWER CIRCUIT BREAKER
36215	SYNCHROS, FRACTIONAL AND INTEGRAL HORSEPOWER (EXCEPT PARTS AND SUPPLIES)
28191	SYNTHETIC AMMONIA, NITRIC ACID, AND AMMONIUM COMPOUNDS
28184	SYNTHETIC ORGANIC AGRICULTURE CHEMICALS AND PESTICIDES, NOT FORMULATED
28416	SYNTHETIC ORGANIC DETERGENT, BULK, DRY, LIQUID, OR SCOURING CLEANERS
28415	SYNTHETIC ORGANIC DETERGENTS, HOUSEHOLD DRY, LIQUID OR SCOURING CLEANERS
28152	SYNTHETIC ORGANIC DYES
28153	SYNTHETIC ORGANIC PIGMENTS, LAKES, TONERS
28215	SYNTHETIC RESIN ADHESIVES FROM RESINS PRODUCED IN THIS ESTABLISHMENT
28216	SYNTHETIC RESINS FOR PROTECTIVE COATINGS
29116	SYNTHETIC RUBBER COMPONENTS FROM PETROLEUM
28220	SYNTHETIC RUBBER, VULCANIZABLE ELASTOMERS
30697	SYRINGES, FOUNTAIN, RUBBER
36623	SYSTEMS, RAILWAY SIGNALS
28921	T.N.T. INDUSTRIAL
25311	TABLE, ARM CHAIR (SCHOOL FURNITURE)
34211	TABLE CUTLERY, INCLUDING KNIVES, FORKS AND SPOONS
22116	TABLE DAMASK CLOTHS, COVERS AND NAPKINS, COTTON (GRAY GOODS)
32291	TABLE GLASSWARE FROM GLASS PRODUCED IN SAME ESTABLISHMENT
32316	TABLE GLASSWARE FROM PURCHASED GLASS
26472	TABLE NAPKINS, PAPER
39493	TABLE TENNIS EQUIPMENT, INCLUDING BALLS, RACKETS, ETC.
22920	TABLECLOTHS, LACE
26543	TABLECLOTHS, PAPER
23920	TABLECLOTHS, TABLE COVERS, SETS, ETC. EXCEPT LACE MADE FROM PURCHASED FABRIC
25117	TABLES, AND TABLE SETS, WOOD OUTDOOR FURNITURE
25116	TABLES, CHILDREN'S, WOOD, PAINTED OR FINISHED
25113	TABLES, DINING ROOM AND KITCHEN, WOOD, PAINTED OR FINISHED
25144	TABLES, INFANTS' METAL
25420	TABLES, METAL, FOR SHOW AND DISPLAY
25141	TABLES, METAL, HOUSEHOLD, DINING, DINETTE, AND BREAKFAST
25142	TABLES, METAL KITCHEN FURNITURE, INCLUDING HOSTESS CARTS
25224	TABLES, METAL, OFFICE
25143	TABLES, METAL OUTDOOR FURNITURE
25990	TABLES, RESTAURANT
25311	TABLES, SCHOOL
25210	TABLES, WOOD, OFFICE FURNITURE
25112	TABLES, WOOD, PAINTED OR FINISHED, EXCEPT CARD AND TELEPHONE
25410	TABLES, WOOD, STORE AND OFFICE
25117	TABLES, WOOD, UNPAINTED
25410	TABLETOPS, LAMINATED WOOD
26491	TABLETS, PAPER, FOR CORRESPONDENCE, BOOK OR NEWSPRINT
32630	TABLEWARE, FINE EARTHENWARE, HOUSEHOLD, AND COMMERCIAL
32291	TABLEWARE, GLASS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	TABLEWARE, GLASS, FROM PURCHASED GLASS
30797	TABLEWARE, PLASTICS
32620	TABLEWARE, VITREOUS CHINA
27612	TABULATING CARDS, UNIT SET FORMS
26215	TABULATING INDEX, BLEACHED BRISTOLS
36624	TACAN
38112	TACHISTOSCOPES
33992	TACKS, NONFERROUS, PRIMARY
33152	TACKS, STEEL (WIRE AND CUT)
22212	TAFFETAS, NYLON OR CHIEFLY NYLON FABRICS (GRAY GOODS), 100% FILAMENT
22211	TAFFETAS, RAYON AND/OR ACETATE, 100% FILAMENT RAYON AND/OR ACETATE FABRICS (GRAY GOODS)
26215	TAG AND FILE FOLDER, BLEACHED BRISTOLS
23990	TAGS, CLOTH, FROM PURCHASED FABRIC
27526	TAGS, PAPER, PRINTED BY LITHOGRAPHIC PROCESS
27516	TAGS, PAPER, PRINTED BY LETTERPRESS, INCLUDING EMBOSSED
26495	TAGS, PAPER, UNPRINTED
23114	TAILORED SPORT COATS AND JACKETS, BOYS'
34211	TAILORING SHEARS
28612	TALL OIL (DISTINGUISH FROM TALL OIL FATTY ACIDS)
28992	TALL OIL, FATTY ACIDS ONLY (DISTINGUISH FROM TALL OIL)
32950	TALC, GROUND
20110	TALLOW, EDIBLE
20941	TALLOW, INEDIBLE
35319	TAMPERS, AIR TOOL
19110	TAMPIONS, FOR GUNS OVER 30 MM. (OR OVER 1.18 INCHES)
26471	TAMPONS
37130	TANK BODIES, MOTOR VEHICLE, SOLD SEPARATELY
35197	TANK ENGINES AND CONVERTED ENGINES, INTERNAL COMBUSTION
37150	TANK TYPE TRAILERS
20942	TANKAGE, GARBAGE
37313	TANKERS, SELF-PROPELLED, NONMILITARY, NEW CONSTRUCTION
34435	TANKS, AIR RECEIVERS, METAL PRESSURE, STANDARD LINE
19310	TANKS AND COMPONENTS
34439	TANKS AND VESSELS, METAL, CUSTOM FABRICATED AND FIELD ERECTED
34438	TANKS AND VESSELS, METAL, CUSTOM FABRICATED AT THE FACTORY
34336	TANKS FOR WATER HEATERS
34437	TANKS, METAL, NONPRESSURE STORAGE, STANDARD
34439	TANKS, PETROLEUM BULK STORAGE, METAL, CUSTOM FABRICATED AND FIELD ERECTED
34435	TANKS, STEEL, STAINLESS STEEL AND ALUMINUM, PRESSURE, STANDARD LINE
32722	TANKS, STORAGE, CONCRETE PRECAST
34439	TANKS, WATER BULK STORAGE, METAL, CUSTOM FABRICATED AND FIELD ERECTED (INCLUDING ELEVATED)
24450	TANKS, WOOD, COOPERED
24995	TANKS, WOOD, EXCEPT COOPERED
28185	TANNIC ACID
28612	TANNING MATERIALS, NATURAL
31119	TANNING AND FINISHING OF LEATHER, CONTRACT AND COMMISSION WORK ONLY
28181	TANNING MATERIALS, SYNTHETIC, ORGANIC
36795	TAPE AND WIRE, RECORDING, MAGNETIC
39642	TAPE FASTENERS (HOOK, EYE AND SNAP)
26414	TAPE, PRESSURE SENSITIVE, SINGLE AND DOUBLE FACED
30695	TAPE, RUBBER PRESSURE SENSITIVE INCLUDING FRICTION
35622	TAPER ROLLER BEARINGS
39994	TAPERS AND CANDLES
26414	TAPES, CELLOPHANE
26413	TAPES, GUMMED
22411	TAPES, INSULATING, ELECTRIC, WOVEN
26414	TAPES (INCLUDING ADHESIVE), PRESSURE SENSITIVE, EXCEPT RUBBER OR SURGICAL
26495	TAPES, PAPER INCLUDING TELETYPE
36520	TAPES, PRERECORDED MAGNETIC
22414	TAPES, TIE, BRAIDED
22411	TAPES, WOVEN INCLUDING VULCANIZING TAPES
22116	TAPESTRY FABRICS, JACQUARD (GRAY GOODS)
22211	TAPESTRY FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
20460	TAPIOCA, CORN BYPRODUCT
31310	TAPS FOR SHOES
28155	TAR, COAL
28151	TAR, COAL, CYCLIC
29522	TAR COATING, CEMENTS, PITCHES, ROOFING
33121	TAR, CRUDE, COKE OVEN BYPRODUCTS
28155	TAR CRUDES, CYCLIC
29510	TAR PAVING MATERIALS
29521	TAR SATURATED FELTS AND BOARDS FOR NONBUILDING USE
34990	TARGET DRONES FOR USE BY SHIPS, UNDERWATER AND ABOVE WATER, METAL
20354	TARTAR SAUCE
28185	TARTARIC ACID
28182	TARTARIC ACID, SALTS, SYNTHETIC NONMEDICINAL-CYCLIC
23940	TARPAULINS, CANVAS, MADE FROM PURCHASED FABRIC, INCLUDING COATED FABRIC
27412	TAX REGULATIONS PUBLISHED FOR BUSINESS
37111	TAXI CABS, COMPLETE VEHICLES, KNOCKED-DOWN OR ASSEMBLED
20999	TEA, PACKAGED
27313	TECHNICAL BOOKS
38430	TEETH, EXCEPT DENTURES, ARTIFICIAL
34233	TELEGRAPH SPOONS, HANDTOOLS
36612	TELEGRAPH SWITCHING EQUIPMENT AND CARRIER SYSTEMS
33574	TELEGRAPH WIRE AND CABLE (COMMUNICATION)

Code	Product
36626	TELEMETERING EQUIPMENT, ELECTRONIC
36612	TELEPHONE AND TELEGRAPH (WIRE) APPARATUS AND EQUIPMENT INCLUDING COMPONENTS
36611	TELEPHONE APPARATUS AND EQUIPMENT
25420	TELEPHONE BOOTHS, METAL
25410	TELEPHONE BOOTHS, WOOD
33574	TELEPHONE CABLE PRODUCED IN WIREDRAWING ESTABLISHMENT
36612	TELEPHONE CARRIER AND REPEATER EQUIPMENT
36611	TELEPHONE, DIAL AUTOMATIC SWITCHING EQUIPMENT INCLUDING ELECTRONIC
36612	TELEPHONE INSTRUMENT SETS
36611	TELEPHONE SWITCHING AND SWITCHBOARD EQUIPMENT
25112	TELEPHONE TABLES AND CHAIRS, WOOD, FINISHED AND PAINTED
36612	TELEPRINTER UNITS
38311	TELESCOPES
38312	TELESCOPES FOR SIGHTING AND FIRE CONTROL, ELBOW, PANORAMIC, PRODUCED AT SAME PLANT
36622	TELEVISION AND RADIO BROADCAST EQUIPMENT, AND CLOSED CIRCUIT SYSTEMS
36795	TELEVISION AND RADIO RECEIVING ANTENNAS
36795	TELEVISION BOOSTERS AND CONVERTERS
25111	TELEVISION CABINETS, WOOD, PAINTED OR FINISHED
36512	TELEVISION COMBINATION SETS
36720	TELEVISION PICTURE TUBES, CATHODE RAY ONLY, INCLUDING REBUILT
36512	TELEVISION RECEIVERS, HOUSEHOLD
36794	TELEVISION TRANSFORMERS AND REACTORS
32292	TELEVISION TUBE BLANKS AND PARTS FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
38220	TEMPERATURE CONTROLS, AUTOMATIC
38213	TEMPERATURE INSTRUMENTS
32114	TEMPERED GLASS, FLAT GLASS, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
35512	TENDERIZERS, FOOD, COMMERCIAL
20999	TENDERIZERS, MEAT
39493	TENNIS BALLS AND RACKETS
23612	TENNIS SHIRTS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM PURCHASED KNIT FABRIC
22532	TENNIS SHIRTS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	TENNIS SHIRTS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRICS
23312	TENNIS SHIRTS, WOMEN'S, MISSES', AND JUNIORS', MADE FROM PURCHASED KNIT FABRIC
23940	TENTS, CANVAS, MADE FROM PURCHASED FABRICS
36430	TERMINALS AND CONNECTORS FOR ELECTRIC DEVICES
28421	TERMITE PREPARATIONS
33123	TERNEPLATE, TINPLATE, BLACKPLATE, AND OTHER TIN MILL PRODUCTS
28213	TERPOLYMER RESINS, THERMOPLASTIC
32592	TERRA COTTA PIPE
22114	TERRY AND TURKISH CLOTH, COTTON, COLORED, YARN FABRIC, (GRAY GOODS)
22119	TERRY CLOTH TOWELING SOLD BY THE YARD, COTTON, MADE IN BROADWOVEN FABRIC MILL
23929	TERRY CLOTH TOWELS AND WASHCLOTHS MADE FROM PURCHASED FABRIC
22119	TERRY CLOTH TOWELS AND WASHCLOTHS MADE IN BROADWOVEN FABRIC MILLS
36112	TEST EQUIPMENT FOR TESTING ELECTRICAL, RADIO, COMMUNICATION CIRCUITS, AND MOTORS
27314	TESTAMENTS, RELIGIOUS
38213	TESTING INSTRUMENTS AND EQUIPMENT
28182	TETRA ETHYL LEAD
28331	TETRACYCLINE, BULK, SYNTHETIC
27311	TEXTBOOKS, HARD OR PAPER BOUND, PRINTING AND PUBLISHING
23930	TEXTILE BAGS, EXCEPT LAUNDRY, SHOE AND WARDROBE, FROM PURCHASED FABRIC OF COTTON (CANVAS OR OPEN MESH), BURLAP, SPUN PAPER AND OTHER FIBER FABRICS
23920	TEXTILE BAGS, LAUNDRY AND WARDROBE
28181	TEXTILE CHEMICALS, CYCLIC, OTHER THAN SURFACE ACTIVE AGENTS
35521	TEXTILE MACHINERY, FIBER-TO-FABRIC, YARN PREPARING, FABRIC, BLEACHING, DYEING, AND FINISHING MACHINERY
35522	TEXTILE MACHINERY, PARTS AND ATTACHMENTS
24262	TEXTILE MACHINERY STOCK, DIMENSION HARDWOOD
28930	TEXTILE PRINTING INKS
32927	TEXTILES, ASBESTOS
22824	TEXTURED YARNS, INCLUDING STRETCH YARNS
36622	THEATER SOUND EQUIPMENT
36622	THEATER TELEVISION EQUIPMENT
25312	THEATRE AND AUDITORIUM CHAIRS AND SEATS, FIXED, PORTABLE FOLDING CHAIRS, SINGLE OR GANGED
22114	THERMAL BLANKETING, GRAY GOODS, MADE IN BROADWOVEN FABRIC MILLS
22217	THERMAL BLANKETING, WHOLLY OR CHIEFLY SPUN ACRYLIC AND MODACRYLIC, 100% SPUN YARN, GRAY GOODS, MADE IN BROADWOVEN FABRIC MILLS
36293	THERMIC GENERATORS
38213	THERMOCOUPLES
38220	THERMOCOUPLES, VACUUM, GLASS
38213	THERMOMETERS AND PYROMETERS
28213	THERMOPLASTIC RESINS, EXCEPT RESINS FOR PROTECTIVE COATING
28214	THERMOSETTING RESINS, EXCEPT RESINS FOR PROTECTIVE COATING
38220	THERMOSTATS
26216	THIN PAPER
24996	THINBOARD, HARD PRESSED WOOD, FIBERBOARD
28519	THINNERS FOR DOPES, LACQUERS, ETC.
22842	THREAD, COTTON OR SILK, FOR INDUSTRIAL USE
22842	THREAD, FINISHED FOR INDUSTRIAL OR MANUFACTURERS' USE (EXCLUDING CORDAGE PRODUCTS AND FLAX)
22843	THREAD, (EXCEPT FLAX) UNFINISHED, SHIPPED OR TRANSFERRED TO OTHER PLANTS FOR FINISHING
22841	THREAD, FINISHED, FOR USE IN THE HOME (EXCEPT FLAX, WOOL OR WOOLBASED FIBERS DESIGNED FOR HAND-KNITTING)
22992	THREAD, LINEN
22992	THREAD, LINEN (FLAX), EXCLUDING JACQUARD THREAD OR JACQUARD TWINE
22841	THREAD OF MANMADE FIBER, FINISHED FOR USE IN THE HOME
22842	THREAD OF MANMADE FIBER FOR INDUSTRIAL USE
35423	THREAD ROLLING MACHINERY, FOR METAL-FORMING
30698	THREAD, RUBBER, BARE
22415	THREAD, RUBBER, FABRIC COVERED
35451	THREADING TOOLS AND DIES, SMALL CUTTING TOOLS
24262	THRESHOLD DIMENSION STOCK, HARDWOOD
22829	THROWING OF YARN AND FILAMENT YARNS, EXCEPT WOOL (COMMISSION RECEIPTS)
22823	THROWN FILAMENT YARNS, EXCEPT TEXTURED
35623	THRUST ROLLER BEARINGS
28341	THYROID AND THYROID COMBINATIONS, PHARMACEUTICAL FOR HUMAN USE
27516	TICKETS PRINTED BY LETTERPRESS, INCLUDING TRANSPORTATION AND AMUSEMENT
27526	TICKETS PRINTED BY LITHOGRAPHIC, INCLUDING TRANSPORTATION AND AMUSEMENT
22114	TICKINGS, BED WOVEN, COTTON (GRAY GOODS)
39111	TIE AND SCARF PINS AND CLIPS OF PLATINUM AND CARAT GOLD
39112	TIE AND SCARF PINS AND CLIPS OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
22217	TIE FABRICS, EXCEPT SILK, 100% SPUN YARN, GRAY GOODS, MADE IN BROADWOVEN FABRIC MILLS
22211	TIE FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
22414	TIE TAPES, BRAIDED
24110	TIES, WOOD, HEWN, SUCH AS CROSSTIES, MINE TIES, ETC. MADE IN A LOGGING CAMP
24211	TIES, WOOD, SAWED, SUCH AS CROSSTIES, MINE TIES, ETC.
22511	TIGHTS FINISHED, FULL-FASHIONED, FOR WOMEN AND MISSES, NYLON AND ALL OTHER YARNS AND MIXTURES
22514	TIGHTS, FULL-FASHIONED FOR WOMEN AND MISSES, ALL FIBERS, SHIPPED IN THE GREIGE
22513	TIGHTS, SEAMLESS, FINISHED, FOR WOMEN AND MISSES, COTTON, MIXTURES OR NYLON
22515	TIGHTS, SEAMLESS, FOR WOMEN AND MISSES, ALL FIBERS, SHIPPED IN THE GREIGE
26611	TILE, ACOUSTICAL
32512	TILE AND BRICK, CERAMIC GLAZED FACING
32530	TILE, CERAMIC WALL AND FLOOR
32925	TILE, FLOOR, ASPHALT
32926	TILE, FLOOR, VINYL ASBESTOS
30694	TILE, FLOORING RUBBER
32530	TILE, GLAZED, FOR FLOOR AND WALL
32723	TILE, MADE OUT OF PRESTRESSED CONCRETE
32592	TILE, ROOFING, CLAY
32512	TILE, SILO
32512	TILE, UNGLAZED AND SALT GLAZED
35228	TILLERS, MOTOR, AND GARDEN TRACTORS INCLUDING ATTACHMENTS
24430	TILLS, VENEER AND PLYWOOD
24331	TIMBERS, HEAVY DECKING, FABRICATED OR LAMINATED
24110	TIMBERS, MINE, HEWN OR ROUND
35791	TIME RECORDING AND STAMPING MACHINES
26451	TIME RECORDING CARDS, DIE-CUT
38711	TIME STAMP MACHINES, ELECTRIC AND SPRING WOUND, COMPLETE
36133	TIME SWITCHES
36220	TIMING DEVICES, ELECTRONIC
35484	TIMING LIGHT, AUTOMOTIVE MOTOR ANALYZERS
38711	TIMING MECHANISMS, ELECTRIC AND SPRING WOUND, COMPLETE
28199	TIN COMPOUNDS
33123	TIN MILL PRODUCTS
33416	TIN, UNALLOYED, SECONDARY REFINING AND SMELTING
33397	TIN, UNALLOYED, SMELTED OR REFINED, PRIMARY
34970	TINFOIL
34211	TINNERS SNIPS
33123	TINPLATE, BLACKPLATE, TERNEPLATE AND OTHER TIN MILL PRODUCTS
32111	TINTED OR COLORED GLASS, SHEET
28514	TINTING BASES FOR INTERIOR WATER-TYPE PAINT, INTERIOR, TRADE SALES
28512	TINTING BASES FOR WATER TYPE PAINT EXTERIORS, TRADE SALES
28993	TINTS AND DYES, HOUSEHOLD
34615	TINWARE, STAMPED AND SPUN, HOSPITAL UTENSILS, COOKING AND KITCHEN HOUSEHOLD UTENSILS
23961	TIP PRINTING AND STAMPING ON FABRICS, MEN'S AND BOYS'
35594	TIRE-BUILDING EQUIPMENT (EXCEPT MOLDS, RUBBER-WORKING MACHINERY)
33159	TIRE CHAINS, WIRE, FERROUS, MADE IN WIREDRAWING PLANT
34819	TIRE CHAINS, WIRE, FERROUS, NOT PRODUCED BY WIREDRAWERS
35484	TIRE CHANGING MACHINE, AUTOMOTIVE
22960	TIRE CORD, COTTON OR MANMADE FIBER
22811	TIRE CORD YARNS, CARDED COTTON
22960	TIRE FABRICS, COTTON OR MANMADE FIBER
30115	TIRE FLAPS
38216	TIRE GAUGES
35442	TIRE MOLDS, MADE OF METAL
35594	TIRE RECAPPING AND REPAIRING MACHINERY INCLUDING RECAPPING VULCANIZERS
30115	TIRE REPAIR MATERIALS
35991	TIRE VALVES
30113	TIRES, AIRPLANE, PNEUMATIC
30113	TIRES AND CASINGS, BICYCLE
30111	TIRES, PNEUMATIC FOR AUTOMOBILE AND MOTORCYCLES (CASINGS)
30113	TIRES, PNEUMATIC, OTHER THAN PASSENGER CARD, MOTORCYCLE, BUS, TRACK, AND OFF-THE-HIGHWAY TYPES
30113	TIRES, SEMIPNEUMATIC
30113	TIRES, SOLID
30113	TIRES, TRACTOR AND IMPLEMENT (PNEUMATIC AND SOLID)
30112	TIRES, TRUCK AND BUS AND OFF-THE-ROAD, PNEUMATIC
26210	TISSUE PAPER, STOCK
26472	TISSUES, FACIAL, PAPER
32640	TITANATE PORCELAIN INSULATORS
28199	TITANIUM COMPOUNDS, INORGANIC CHEMICALS
33920	TITANIUM FORGINGS
33560	TITANIUM, INGOT, BILLET, SHEET PLATE, TUBING, BAR, ROLLED, DRAWN AND EXTRUDED NONFERROUS METAL MILL
28161	TITANIUM PIGMENTS
33416	TITANIUM SPONGE, UNALLOYED, SECONDARY SMELTING AND REFINING
33397	TITANIUM SPONGE, UNALLOYED, SMELTED OR REFINED, PRIMARY
35891	TOASTERS, COMMERCIAL
36343	TOASTERS, ELECTRIC, AUTOMATIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
21310	TOBACCO (CHEWING AND SMOKING ONLY)
22113	TOBACCO CLOTHS, COTTON (GRAY GOODS)
24218	TOBACCO, HOGSHEAD STOCK, WOOD
35595	TOBACCO MANUFACTURING MACHINERY AND EQUIPMENT
21411	TOBACCO, REDRIED BEFORE PACKING
21412	TOBACCO, STEMMED (LEAF)
28712	TOBACCO STEMS GROUND FOR FERTILIZER PRODUCED IN SAME ESTABLISHMENT
39493	TOBOGGANS AND BOBSLEDS
20714	TOFFEES, BULK CANDY
28423	TOILET BOWL CLEANER AND DRAIN PIPE SOLVENTS
24315	TOILET DOORS, WOOD
32610	TOILET FIXTURES, VITREOUS CHINA
26472	TOILET PAPER, ROLLS, INTERFOLDED OR FLAT
25420	TOILET PARTITIONS, METAL

Code	Product
35540	TOILET ROLL AND NAPKIN MAKING MACHINES
24995	TOILET SEATS, PLASTIC, SOLID, CORED HOLLOW OR SHELL
24995	TOILET SEATS, WOOD
26210	TOILET TISSUE, STOCK
28442	TOILET WATER, PERFUMES, COLOGNES
39141	TOILETWARE, SILVER, HOLLOW WARE
20335	TOMATO JUICE, INCLUDING COMBINATIONS CONTAINING 70% OR MORE TOMATO JUICE
20336	TOMATO PASTE, PULP AND PUREE
20336	TOMATO SAUCES, EXCEPT CATSUP AND CHILI SAUCE, PULP, PUREE, OR PASTE
20336	TOMATO SAUCES, INCLUDING CATSUP (KETCHUP)
20332	TOMATOES, CANNED
28153	TONERS, SYNTHETIC, ORGANIC, PIGMENTS
24995	TONGUE DEPRESSORS, WOODEN
28349	TONICS AND NUTRIENTS, VETERINARY, PHARMACEUTICAL
28443	TONICS, HAIR
28347	TONICS, PHARMACEUTICAL, FOR HUMAN USE
33124	TOOL STEEL BARS
34232	TOOLS, EDGE
35453	TOOLS FOR SCREW AND AUTOMATIC MACHINES
35482	TOOLS, HAND, POWER-DRIVEN, PARTS AND ATTACHMENTS
34231	TOOLS, MECHANICS HAND SERVICE
35441	TOOLS, SPECIAL DESIGN, METALWORKING
34492	TOOLSHEDS, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
39913	TOOTHBRUSHES
36343	TOOTHBRUSHES, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS)
28444	TOOTH CLEANERS, LIQUID, PASTE AND POWDER
28444	TOOTH POWDER
28444	TOOTHPASTE
24995	TOOTHPICKS, WOODEN
23114	TOPCOATS, BOYS'
23112	TOPCOATS, MEN'S, INCLUDING UNIFORM
23371	TOPCOATS, WOMEN'S AND MISSES'
20262	TOPPING, WHIPPED, PACKAGED IN THIS PLANT WITH A BUTTER FAT BASE
32592	TOPS AND THIMBLES, STRUCTURAL CLAY PRODUCTS
37141	TOPS, CONVERTIBLE, FOR AUTOMOBILES
25410	TOPS, LAMINATED WOOD, FOR SINK, TABLE, COUNTERS AND OFFICE AND STORE FIXTURES
22970	TOPS, WOOL FIBER
22311	TOPS, WOOL, FINISHED, NOT COMBED OR SPUN AT SAME ESTABLISHMENT PRODUCED IN A BROADWOVEN FABRIC MILL
22315	TOPS, WOOL, NOT COMBED OR SPUN, AT SAME ESTABLISHMENT, COMMISSION RECEIPTS FOR FINISHING
22831	TOPS, WOOL, PRODUCED IN YARN MILLS
36231	TORCHES, ARC-WELDING EXCEPT ELECTRODES
19990	TORPEDO TUBES AND PARTS
19293	TORPEDOES AND PARTS
20994	TORULE
39999	TOUPEES AND WIGS
22114	TOWELING FABRICS, COTTON, INCLUDING DAMASK, HUSK, JACQUARD, ETC. (GRAY GOODS)
26210	TOWELING, PAPER, STOCK
22561	TOWELING, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
23929	TOWELS, COTTON, INCLUDING DISHCLOTHS MADE FROM PURCHASED FABRIC
22119	TOWELS, COTTON INCLUDING DISHCLOTHS, MADE IN BROADWOVEN FABRIC MILLS
22590	TOWELS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
26472	TOWELS, PAPER, HOUSEHOLD AND INDUSTRIAL
28313	TOXINS, BACTERIAL AND MODIFIED
39420	TOY ANIMALS, DOLLS, AND PUPPETS
39410	TOY MUSICAL INSTRUMENTS
39410	TOY TRAINS AND EQUIPMENT
39410	TOYS AND GAMES, EXCEPT DOLLS AND CHILDREN'S VEHICLES
36211	TOY MOTORS, INCLUDING ADVERTISING DISPLAYS
39410	TOYS MECHANICALLY POWERED BY BATTERY SPRINGS AND FRICTION MOTORS
30698	TOYS, RUBBER
33152	TRACK SPIKES, STEEL
35317	TRACKLAYING TRACTOR SHOVEL LOADERS
35312	TRACKLAYING TRACTORS
22115	TRACING CLOTH, FINE COTTON GOODS (GRAY GOODS)
30113	TRACTOR AND IMPLEMENT PNEUMATIC AND SOLID TIRES
35317	TRACTOR-SHOVEL LOADERS, INTEGRAL, WHEEL AND TRACK-LAYING, EXCEPT PARTS
35311	TRACTORS, CONTRACTORS OFF-HIGHWAY, WHEEL, EXCEPT PARTS AND ATTACHMENTS
35228	TRACTORS, GARDEN, AND MOTOR TILLERS, INCLUDING ATTACHMENTS
35313	TRACTORS, TRACKLAYING AND CONTRACTORS OFF-HIGHWAY WHEEL TRACTORS, PARTS AND ATTACHMENTS
35312	TRACTORS, TRACKLAYING-TYPE EXCEPT PARTS AND ATTACHMENTS
35370	TRACTORS, TRUCKS, TRAILERS, AND STACKERS, FOR INDUSTRIAL USE
35221	TRACTORS-WHEEL-AND ATTACHMENTS (EXCEPT CONTRACTORS' OFF-HIGHWAY-TYPE, GARDEN TRACTORS AND MOTOR TILLERS)
27315	TRADE BOOKS
27518	TRADING STAMPS, GRAVURE PRINTED
27516	TRADING STAMPS PRINTED BY LETTERPRESS
27526	TRADING STAMPS, PRINTED BY LITHOGRAPHIC PROCESS
28511	TRAFFIC PAINTS (ALL TYPES, SHELF GOODS AND HIGHWAY DEPARTMENTS)
36623	TRAFFIC SIGNAL HEADS, VEHICULAR AND PEDESTRIAN, INCLUDING PARTS AND ACCESSORIES
36623	TRAFFIC SIGNALS, STREET, ELECTRIC
37910	TRAILER COACHES, HOUSING TYPE
35318	TRAILERS AND WAGONS, OFF-HIGHWAY-TYPE, CONSTRUCTION
37991	TRAILERS, AUTOMOTIVE, EXCEPT HOUSE TRAILERS
37992	TRAILERS, BOAT
37991	TRAILERS, CAMPING AND TRAVEL, EXCEPT HOUSING TYPE COACHES, COMPLETE UNITS
37150	TRAILERS, MOTOR TRUCK
35370	TRAILERS, TRUCKS, TRACTORS AND STACKERS FOR INDUSTRIAL USE
23412	TRAINING PANTS AND UNDERWEAR, INFANTS' AND TODDLERS' FROM WOVEN OR PURCHASED KNIT FABRIC
22542	TRAINING PANTS, INFANTS' AND TODDLERS', KNIT IN THE SAME ESTABLISHMENT
39410	TRAINS (TOY) AND EQUIPMENT (MECHANICAL AND ELECTRIC)
28342	TRANQUILIZERS, PSYCHOTHERAPEUTIC AGENTS
28331	TRANQUILIZERS, SYNTHETIC BULK
28349	TRANQUILIZERS, VETERINARY, PHARMACEUTICAL
35791	TRANSCRIBING MACHINES
36795	TRANSDUCERS, ELECTRONIC
36231	TRANSFORMER, ARC-WELDER A.C., EXCEPT ELECTRODE
29920	TRANSFORMER OILS, MADE FROM PURCHASED MATERIALS
29117	TRANSFORMER OILS, MADE IN REFINERIES
36794	TRANSFORMERS, COILS, REACTORS, CHOKES FOR ELECTRONIC APPLICATION
36121	TRANSFORMERS, NATURAL-DRAFT DRY TYPE, SPECIALTY, IGNITION, LIGHTING, FLUORESCENT LAMP BALLASTS
36122	TRANSFORMERS, POWER AND DISTRIBUTION
36233	TRANSFORMERS, RESISTANCE WELDING
36742	TRANSISTORS
36441	TRANSMISSION AND POLE LINE HARDWARE NONCURRENT CARRYING DEVICES
22411	TRANSMISSION BELTING, WOVEN NARROW FABRIC
30691	TRANSMISSION BELTS, RUBBER
35662	TRANSMISSION EQUIPMENT, MECHANICAL POWER EXCEPT AUTOMOBILE, AIRCRAFT, AND MARINE
36621	TRANSMITTERS AND RADIO FREQUENCY POWER AMPLIFIERS FOR COMMERCIAL, INDUSTRIAL, MILITARY COMMUNICATION, EXCEPT BROADCAST EQUIPMENT
36622	TRANSMITTERS, R.F. POWER AMPLIFIER AND RELATED EQUIPMENT
36730	TRANSMITTING, INDUSTRIAL AND SPECIAL PURPOSE ELECTRON TUBES, EXCEPT X-RAY
34291	TRANSPORTATION EQUIPMENT HARDWARE
37312	TRANSPORTS, MILITARY, STEEL, SELF-PROPELLED, NEW CONSTRUCTION
34320	TRAPS P AND S PLUMBING, BRASS GOODS
36343	TRAVEL IRONS, ELECTRIC (EXCEPT PARTS AND ATTACHMENTS)
31720	TRAVEL KITS, MEN'S
35316	TRAVELING MIXERS, CONCRETE AND ASPHALT
23920	TRAY CLOTHS, EXCEPT LACE, MADE FROM PURCHASED FABRIC
26472	TRAY COVERS, PAPER
26495	TRAY DOILIES AND COVERS, PAPER
25990	TRAY STANDS, RESTAURANT
25144	TRAY TABLES, METAL FOLDING
26462	TRAYS AND BOARDS FOR PREPACKAGING OF MEAT AND PRODUCE, PRESSED AND MOLDED PULP GOODS
30798	TRAYS, PLASTICS, FOR FOOD, ICE, ETC.
24262	TREAD DIMENSION STOCK, HARDWOOD
30115	TREAD RUBBER, CAMELBACK
24318	TREADS, WOOD, STAIR
24318	TRELLISES, WOOD
35319	TRENCHERS AND DITCHERS, SELF-PROPELLED
28182	TRICHLOROETHYLENE
39430	TRICYCLES AND VELOCIPEDES
24262	TRIM STOCK, HARDWOOD DIMENSION
24316	TRIM, WOOD, DOOR AND WINDOW
34211	TRIMMERS
23962	TRIMMINGS, AUTOMOBILE AND FURNITURE
23963	TRIMMINGS FOR WOMEN'S AND CHILDREN'S APPAREL
28921	TRINITROTOLUENE, TNT INDUSTRIAL
36123	TRIPPING TRANSFORMERS
37423	TROLLEY BUSSES AND TRACKLESS TROLLEYS
36430	TROLLEY-LINE MATERIAL, OVERHEAD, CURRENT CARRYING
37312	TROOP TRANSPORT VESSELS, SELF-PROPELLED SHIPS, U.S. MILITARY, NEW
39141	TROPHIES, ELECTROSILVER PLATED AND STERLING SILVER
34990	TROPHIES, METAL, EXCEPT SILVER, NICKEL SILVER, PEWTER, AND PLATED
23961	TROUSER FINDINGS FOR MEN AND BOYS
23271	TROUSERS, SEPARATE, DRESS AND SPORT, INCLUDING UNIFORM, MEN'S, YOUTHS', AND BOYS'
23279	TROUSERS, SEPARATE, DRESS AND SPORT, INCLUDING UNIFORM, MEN'S AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
37130	TRUCK AND BUS BODIES, FOR SALE SEPARATELY
37112	TRUCK BODIES BILLED WITH CHASSIS
30112	TRUCK, BUS AND OFF-THE-ROAD PNEUMATIC TIRES
36220	TRUCK CONTROLS, INDUSTRIAL BATTERY
34437	TRUCK TANKS, METAL, NONPRESSURE FOR DELIVERY OF FLUIDS, STANDARD
34435	TRUCK TANKS, PRESSURE, STANDARD LINE, FOR DELIVERY OF LIQUEFIED PETROLEUM GAS
37112	TRUCK TRACTORS, TRUCK CHASSIS AND TRUCKS, CHASSIS OF OWN MANUFACTURE
37150	TRUCK TRAILERS AND CHASSIS
35370	TRUCKS AND TRAILERS, HAND
37992	TRUCKS, FARM (NOT MOTOR), INCLUDING PARTS
37141	TRUCKS (FUEL DRIVEN), PARTS AND ACCESSORIES ONLY
37112	TRUCKS, INCLUDING PICKUP, PANEL DELIVERY MADE ON OWN MANUFACTURE CHASSIS
35318	TRUCKS-OFF-HIGHWAY, SCRAPERS, GRADERS, ROLLERS, TRAILERS, WAGONS FOR CONSTRUCTION WORK, EXCEPT PARTS
35370	TRUCKS, TRACTORS, TRAILERS AND STACKERS, FOR INDUSTRIAL USE
39314	TRUMPETS AND PARTS
34295	TRUNK AND LUGGAGE HARDWARE
31610	TRUNKS, HAND TRUNKS AND LOCKERS, LEATHER LUGGAGE
22533	TRUNKS, KNIT, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
38421	TRUSSES
23612	T-SHIRTS, GIRLS', CHILDREN'S, AND INFANTS', MADE FROM PURCHASED KNIT FABRIC
22532	T-SHIRTS, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23212	T-SHIRTS, MEN'S AND BOYS', MADE FROM PURCHASED KNIT FABRIC
23312	T-SHIRTS, WOMEN'S, MISSES'' AND JUNIORS'', MADE FROM PURCHASED KNIT FABRIC
32114	TUB ENCLOSURES, FLAT GLASS
34320	TUB FILLERS, BATH, BRASS GOODS
33526	TUBE, ALUMINUM, EXTRUDED, DRAWN AND WELDED
26312	TUBE, CAN AND DRUM PAPERBOARD, BLEACHED PACKAGING AND INDUSTRIAL CONVERTING, SOLID WOODPULP FURNISH
26311	TUBE, CAN AND DRUM PAPERBOARD, UNBLEACHED KRAFT
26317	TUBE, CAN, AND DRUM STOCK, SPECIAL COMBINATION PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD
35481	TUBE MILL MACHINERY FOR ROLLING MILL
33122	TUBE, ROUNDS, ALLOY STEEL, SEMIFINISHED
33122	TUBE ROUNDS, SKELP AND WIRE RODS OF CARBON, ALLOY, AND STAINLESS STEEL
36795	TUBE SOCKETS
33176	TUBE, STEEL, NOT MADE IN STEEL MILL
33126	TUBE, STEEL, PRODUCED IN STEEL MILL
32690	TUBES AND CONES, PYROMETRIC, POTTERY
34960	TUBES, COLLAPSIBLE, METAL
36710	TUBES, ELECTRON, RECEIVING TYPE, EXCEPT CATHODE
36730	TUBES, ELECTRON, TRANSMITTING, INDUSTRIAL, AND SPECIAL PURPOSE EXCEPT X-RAY, CATHODE RAY PICTURE TUBES, BUT INCLUDING ALL OTHER CATHODE RAY TUBES
26552	TUBES, FIBER
30114	TUBES, INNER FOR TIRES
30793	TUBES, LAMINATED, PLASTICS
30794	TUBES, PLASTIC, COLLAPSIBLE, PACKAGING AND SHIPPING CONTAINERS

Code	Product
30791	TUBES, PLASTICS, UNSUPPORTED FROM PURCHASED RESINS
28211	TUBES, PLASTICS, UNSUPPORTED, PRODUCED FROM RESINS MADE IN THIS PLANT
36930	TUBES, X-RAY
32292	TUBING AND CASE FOR ELECTRIC LIGHT BULBS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32316	TUBING AND CASE FOR ELECTRIC LIGHT BULBS, FROM PURCHASED GLASS
36443	TUBING, ELECTRICAL INSULATION, EXCEPT GLASS OR PORCELAIN, NONCURRENT CARRYING
35992	TUBING, FLEXIBLE, METAL, MADE IN MACHINE SHOP
32316	TUBING, GLASS, FROM PURCHASED GLASS
30697	TUBING, MEDICAL-SURGICAL RUBBER
22112	TUBING, PILLOW AND INDUSTRIAL (COTTON) (GRAY GOODS)
30798	TUBING, PLASTICS
30692	TUBING, RUBBER, EXCEPT REINFORCED
34443	TUBS, LAUNDRY, SHEET METAL
24430	TUBS, MADE OF VENEER OR PLYWOOD
34618	TUBS, METAL, EXCLUDING SHIPPING CONTAINERS
24450	TUBS, SLACK OR TIGHT COOPERAGE, INCLUDING RECOOPERED USED TUBS
25141	TUBULAR METAL TABLE AND CHAIR SETS, DINING, DINETTE AND BREAKFAST
23959	TUCKING, PLEATING, HEMSTITCHING AND BUTTON HOLING FOR THE TRADE (CONTRACT RECEIPTS)
23926	TUFTED BEDSPREAD AND BED SETS MADE FROM PURCHASED FABRIC
22720	TUFTED CARPETS AND RUGS, INCLUDING ROLL GOODS
35521	TUFTING MACHINERY, TEXTILE
22811	TUFTING YARNS, CARDED COTTON GRAY OR FINISHED IN YARN SPINNING MILLS
22814	TUFTING YARNS, SPUN, MANMADE FIBER AND SILK, GRAY OR FINISHED IN YARN SPINNING MILLS
22813	TUFTING YARNS, SPUN, RAYON AND/OR ACETATE- GRAY OR FINISHED IN SPINNING MILLS
37313	TUGBOATS, CIVILIAN, NEW
32316	TUMBLERS, FROM PURCHASED GLASS
32210	TUMBLERS, GLASS, FOOD CONTAINERS
20310	TUNAFISH, CANNED, EXCEPT FROZEN
20310	TUNAFISH SPECIALTIES, CANNED, EXCEPT FROZEN
36515	TUNERS-A.M., F.M., A.M.-F.M., TV
20932	TUNG OIL
28199	TUNGSTEN COMPOUNDS, INORGANIC CHEMICALS
35111	TURBINE GENERATOR SET UNITS, STEAM, GAS AND HYDRAULIC
35112	TURBINES AND PARTS, STEAM, GAS AND HYDRAULIC
35112	TURBINES, STEAM, MECHANICAL DRIVE
20153	TURKEYS, DRESSED AND PACKED
20332	TURNIPS, CANNED, LEAFY GREENS
28612	TURPENTINE, GUM
26112	TURPENTINE, PULPMILL BYPRODUCT
28611	TURPENTINE, WOOD
19110	TURRETS, EXCEPT AIRCRAFT AND SELF-PROPELLED FOR WEAPONS OVER 30 MM. (OR OVER 1.18 INCHES)
20310	TURTLE SOUP, CANNED
20361	TURTLE SOUP, PACKAGED FROZEN
22211	TWILL, ACETATE AND VISCOSE-100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
22213	TWILL, 100% SPUN VISCOSE OR ACETATE (GRAY GOODS)
22113	TWILLS, COTTON PRINT CLOTH YARD, THREE-LEAF (GRAY GOODS)
22112	TWILLS, COTTON, SHEETING YARNS (GRAY GOODS)
22115	TWILLS, FINE COTTON (GRAY GOODS)
22212	TWILLS, NYLON AND CHIEFLY NYLON FABRICS (GRAY GOODS), 100% FILAMENT
22983	TWINE, COTTON FIBER INCLUDING WRAPPING AND SEINE
22981	TWINE, HARD FIBER, SUCH AS BINDER, BALER, WRAPPING, ETC.
22981	TWINE, MADE OF A COMBINATION OF HARD FIBER AND PAPER
22982	TWINE, SOFT FIBER (EXCEPT COTTON), SEINE, NET MAKING, ETC.
22811	TWINE YARNS, CARDED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
36621	TWO-WAY RADIO, INCLUDING TRANSCEIVERS FOR COMMERCIAL, INDUSTRIAL, MILITARY, EXCEPT BROADCAST EQUIPMENT
26495	TYMPANS, PAPER
27910	TYPESETTING AND TYPOGRAPHIC SERVICES
35552	TYPESETTING MACHINERY AND EQUIPMENT
22115	TYPEWRITER RIBBON, CLOTH, FINE COTTON (GRAY GOODS)
39550	TYPEWRITER RIBBONS
35720	TYPEWRITERS AND PARTS
39314	UKULELES AND PARTS
28345	ULCER, STOMACH, LAXATIVE PREPARATIONS FOR HUMAN USE
28163	ULTRAMARINE BLUE PIGMENT
36626	ULTRASONIC EQUIPMENT, ELECTRONIC
36426	ULTRAVIOLET HEALTH LAMPS
36410	ULTRAVIOLET LAMP UNITS (BULBS ONLY)
39997	UMBRELLAS, PARASOLS, AND CANES
25117	UNASSEMBLED WOOD HOUSEHOLD FURNITURE SOLD IN KITS
26217	UNBLEACHED KRAFT CONVERTING PAPER, INCLUDING ASPHALTING, CREPING, ENVELOPE STOCK, GUMMING STOCKS, TWISTING AND SPINNING STOCK, AND WAXING STOCK
26112	UNBLEACHED SULFITE AND SULFATE WOODPULP
31610	UNDER-ARM CASES
22541	UNDERSHIRTS, KNIT, INCLUDING BALBRIGGAN, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23221	UNDERSHIRTS, KNIT UNDERWEAR, INCLUDING ATHLETIC TYPE, FOR MEN AND BOYS, MADE FROM PURCHASED KNIT FABRIC
22541	UNDERSHORTS, KNIT, MEN'S AND BOY'S MADE FROM YARNS OR FABRIC KNIT IN THE SAME ESTABLISHMENT
36624	UNDERWATER NAVIGATIONAL SYSTEMS
22411	UNDERWEAR, ELASTIC NARROW WOVEN FABRICS
22562	UNDERWEAR FABRICS, CIRCULAR KNIT AND FINISHED IN A KNITTING MILL
22561	UNDERWEAR FABRICS, WARP KNIT AND FINISHED IN A KNIT FABRIC MILL
22541	UNDERWEAR, KNIT, MEN'S AND BOYS', MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
22542	UNDERWEAR, KNIT, WOMEN'S AND CHILDREN'S, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23221	UNDERWEAR, MEN'S AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRICS
23412	UNDERWEAR, WOMEN'S, CHILDREN'S, AND INFANTS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23419	UNDERWEAR, WOMEN'S, CHILDREN'S, AND INFANTS' (RECEIPTS FOR CONTRACT AND COMMISSION WORK)
29118	UNFINISHED OILS, INCLUDING CRACKING STOCK, TOPPED AND ENRICHED PETROLEUM
20353	UNFINISHED PICKLES (SALT STOCK)
23114	UNIFORM APPAREL, BOYS' (EXCEPT ATHLETIC)
23113	UNIFORM COATS AND JACKETS, TAILORED, MEN'S
23371	UNIFORM COATS, TAILORED, WOMEN'S AND MISSES', INCLUDING MILITARY
23214	UNIFORM DRESS SHIRTS, WOVEN, MEN'S, YOUTHS', AND BOYS' MADE FROM PURCHASED FABRIC
23522	UNIFORM HATS AND CAPS, CLOTH FOR MEN, BOYS, AND WOMEN MADE CHIEFLY OF COTTON OR OTHER FABRICS
23112	UNIFORM OVERCOATS AND TOPCOATS, MEN'S
23372	UNIFORM SUITS FOR WOMEN AND MISSES, TAILORED
23111	UNIFORM SUITS, MEN'S
23271	UNIFORM TROUSERS, SEPARATE FOR MEN AND BOYS
23292	UNIFORMS, ATHLETIC, MEN'S AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23392	UNIFORMS, WASHABLE, WOMEN'S AND MISSES'
23282	UNIFORMS, WORK, MEN'S AND BOYS'
22541	UNION SUITS, KNIT, MEN'S AND BOYS', MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
22542	UNION SUITS, KNIT, WOMEN'S AND CHILDREN'S, MADE FROM YARN OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23221	UNION SUITS, MEN'S AND BOYS' UNDERWEAR, MADE OF WOVEN OR PURCHASED KNIT FABRIC
23412	UNION SUITS, WOMEN'S AND CHILDREN'S, MADE OF WOVEN OR PURCHASED KNIT FABRIC
34945	UNIONS, METAL, FOR PIPING SYSTEMS
35852	UNITARY AIR-CONDITIONERS
35852	UNIT COOLERS (HEAT TRANSFER EQUIPMENT), ROOM
27612	UNIT SET FORMS FOR BUSINESS, STOCKS (INCLUDING IMPRINTED) PRINTED INDIVIDUAL ORDER OR TABULATING CARD SETS
35663	UNIVERSAL JOINTS EXCEPT AUTOMOBILE, AIRCRAFT, AND MARINE
37141	UNIVERSAL JOINTS, MOTOR VEHICLE
25117	UNPAINTED WOOD FURNITURE
30791	UNSUPPORTED PLASTICS FILM, SHEETING, SHEETS, EXCEPT FOAM, MADE FROM PURCHASED RESINS
28211	UNSUPPORTED PLASTICS FILM, SHEETING, SHEETS, EXCEPT FOAM PRODUCED FROM RESINS MADE IN THIS PLANT
25144	UPHOLSTERED METAL LIVING AND SUNROOM FURNITURE
25121	UPHOLSTERED WOOD HOUSEHOLD FURNITURE
22212	UPHOLSTERY AND DRAPERY FABRIC, NYLON (GRAY GOODS), 100 FILAMENT
30698	UPHOLSTERY FABRICS, AUTOMOTIVE AND FURNITURE, RUBBER COATED
22116	UPHOLSTERY FABRICS, COTTON (GRAY GOODS)
22211	UPHOLSTERY FABRICS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
30698	UPHOLSTERY FABRICS, RUBBER
22314	UPHOLSTERY FABRICS, WOOL, FINISHED
22930	UPHOLSTERY FILLING - INCLUDING CURLED HAIR
30693	UPHOLSTERY, LATEX FOAM RUBBER
31111	UPHOLSTERY, LEATHER FINISHED CATTLE HIDE
34813	UPHOLSTERY WIRE SPRINGS, ASSEMBLED AND UNASSEMBLED
28214	UREA RESINS
34310	URINALS, ENAMELED IRON AND STEEL
35891	URNS, COFFEE, COMMERCIAL
34614	UTENSILS, ALUMINUM, HOSPITAL, STAMPED AND SPUN
34615	UTENSILS, COOKING AND KITCHEN, STAMPED AND SPUN, METAL, EXCEPT ALUMINUM
33610	UTENSILS, COOKING, CAST ALUMINUM (EXCEPT ELECTRIC)
34615	UTENSILS, HOSPITAL, STAMPED AND SPUN, METAL EXCEPT ALUMINUM
34611	UTENSILS, HOSPITAL, VITREOUS-ENAMELED
26462	UTENSILS, MADE OF PULP GOODS
34614	UTENSILS, STAMPED AND SPUN, ALUMINUM, FOR COOKING AND KITCHEN, HOUSEHOLD, HOSPITAL, AND COMMERCIAL
34492	UTILITY BUILDINGS, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
25142	UTILITY CABINETS, METAL KITCHEN FURNITURE
25114	UTILITY CABINETS, WOOD, KITCHEN (FACTORY MADE) FINISHED AND PAINTED
30798	UTILITY CONTAINERS, PLASTICS
19310	UTILITY VEHICLES, ARMORED, INCLUDING PARTS
34492	VACATION HOMES, DWELLINGS, STEEL AND ALUMINUM, PREFABRICATED AND PORTABLE
28315	VACCINES AND VIRUSES FOR VETERINARY USE
28312	VACCINES, HUMAN USE
34293	VACUUM AND INSULATED BOTTLES, JUGS, CHESTS
35893	VACUUM CLEANERS, COMMERCIAL AND INDUSTRIAL, PARTS AND ATTACHMENTS
35893	VACUUM CLEANERS, COMMERCIAL AND INDUSTRIAL, PORTABLE AND CENTRAL SYSTEM
36350	VACUUM CLEANERS, INCLUDING PARTS AND ATTACHMENTS, HOUSEHOLD
38213	VACUUM INSTRUMENTS, INDUSTRIAL PROCESS
35612	VACUUM PUMPS
34943	VALVES FOR COMPRESSED GAS CYLINDERS
34942	VALVES FOR POWER TRANSFER, (PNEUMATIC OR HYDRAULIC), EXCEPT AIRCRAFT
35992	VALVES, INTAKE AND EXHAUST, INTERNAL COMBUSTION ENGINES
34943	VALVES, METAL, FOR PIPING SYSTEMS, EXCEPT PLUMBING AND HEATING VALVES
34944	VALVES, PLUMBING AND HEATING, EXCEPT PLUMBER'S BRASS GOODS
37150	VAN TYPE TRAILER
38614	VANDYKE AND BLUEPRINTING EQUIPMENT
38617	VANDYKE TYPE SENSITIZED PHOTOGRAPHIC PAPER
25115	VANITIES, WOOD, PAINTED OR FINISHED FOR BEDROOM
25117	VANITIES, WOOD, UNPAINTED
39111	VANITY CASES OF PLATINUM AND CARAT GOLD
39112	VANITY CASES OF PRECIOUS METALS, EXCEPT PLATINUM AND CARAT GOLD
38421	VAPORIZERS, HOSPITAL
26431	VARIETY BAGS, PAPER
28423	VARNISH REMOVERS, LIQUID AND POWDER
28511	VARNISH, TRADE SALE EXTERIOR
28516	VARNISHES, CLEAR, INDUSTRIAL PRODUCT FINISHES
28516	VARNISHES, DRIER AND INSULATING, INDUSTRIAL PRODUCT FINISHES
28513	VARNISHES, OIL-TYPE, INTERIOR TRADE SALES
32690	VASES, POTTERY
34443	VATS, SHEET METAL
24450	VATS, WOOD, COOPERED
24995	VATS, WOOD, EXCEPT COOPERED
32722	VAULTS AND BOXES, BURIAL, PRECAST CONCRETE
34920	VAULTS AND SAFES
39943	VAULTS, BURIAL
30691	V-BELTS, RUBBER
20112	VEAL, NOT CANNED OR MADE INTO SAUSAGE
20112	VEAL, PRIMAL CUTS, FABRICATED CUTS, AND BONELESS MADE IN SLAUGHTERING PLANTS
20112	VEAL, VARIETY MEATS AND EDIBLE ORGANS (SUCH AS HEARTS, LIVER, KIDNEYS, ETC.) NOT CANNED OR MADE INTO SAUSAGE
20112	VEAL, WHOLE CARCASS
24317	VEGETABLE BINS, WOODEN, TO BE BUILT-IN PER CUSTOM SPECIFICATION
20335	VEGETABLE JUICES, CANNED
20933	VEGETABLE OIL CAKE AND MEAL (EXCEPT COTTONSEED AND SOYBEAN)
20933	VEGETABLE OIL MILL PRODUCTS CAKE AND MEAL (EXCEPT COTTONSEED AND SOYBEAN)

Code	Product
20961	VEGETABLE OIL WINTER STEARIN
20932	VEGETABLE OILS (OTHER THAN COTTONSEED, SOYBEAN, AND LINSEED)
20332	VEGETABLE SALAD, CANNED
20332	VEGETABLES, CANNED
20321	VEGETABLES, CANNED (BABY FOOD ONLY)
20341	VEGETABLES, DRIED AND DEHYDRATED
20372	VEGETABLES, FROZEN
24262	VEHICLE PARTS STOCK, DIMENSION HARDWOOD
39430	VEHICLES, CHILDREN'S, EXCEPT BICYCLES
28242	VELON FIBERS
22710	VELVET CARPETS AND RUGS, WOOL OR CHIEFLY WOOL, WOVEN
22116	VELVETS AND VELVETEEN, BROADWOVEN COTTON (GRAY GOODS)
22211	VELVETS, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS) BROADWOVEN
35811	VENDING MACHINE, AUTOMATIC, MERCHANDISING INCLUDING PARTS
35531	VENEER AND PLYWOOD MAKING MACHINERY
24324	VENEER, CLOTH FACED OR BACKED FROM PURCHASED PLYWOOD
24430	VENEER CONTAINERS, EXCEPT BOXES AND CRATES
24325	VENEER, HARDWOOD
24324	VENEER, PAPER FACED OR BACKED FROM PURCHASED PLYWOOD
24326	VENEER, SOFTWOOD
22411	VENETIAN BLIND TAPES, WOVEN
25912	VENETIAN BLINDS, COMPLETE, VERTICAL AND HORIZONTAL, STEEL, ALUMINUM, OR PLASTIC
25912	VENETIAN BLINDS, STEEL-SLOT, ALUMINUM SLOT, ETC. WOOD AND PLASTIC
25912	VENETIAN BLINDS, UNASSEMBLED PARTS AND COMPONENTS, FABRICATED IN THIS PLANT
28313	VENOMS, MODIFIED, BIOLOGICAL PRODUCTS FOR HUMAN USE
35641	VENTILATING AND EXHAUST FANS AND PARTS, INDUSTRIAL
34336	VENTILATOR AND HEATER UNITS
32690	VERITAS RINGS, POTTERY
20980	VERMICELLI, EXCEPT CANNED
32950	VERMICULITE, EXFOLIATED
20840	VERMOUTH
34438	VESSELS AND TANKS, METAL, CUSTOM FABRICATED AT THE FACTORY
23890	VESTMENTS, ACADEMIC AND CLERGYMAN'S
22542	VESTS, UNDERSHIRTS AND STEPINS, WOMEN'S AND CHILDREN'S, MADE FROM YARNS OR FABRICS KNIT IN THE SAME ESTABLISHMENT
23412	VESTS, WOMEN'S AND CHILDREN'S UNDERWEAR, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
28315	VETERINARY BIOLOGICAL PRODUCTS
35316	VIBRATORS, CONCRETE
36343	VIBRATORS, ELECTRIC HOUSEWARE (EXCEPT PARTS AND ATTACHMENTS)
36795	VIBRATORS FOR RADIO POWER SUPPLY
36622	VIDEO EQUIPMENT
20996	VINEGAR AND VINEGAR STOCK
28211	VINYL AND VINYL COPOLYMER, UNSUPPORTED PLASTICS, PRODUCED FROM RESINS MADE IN THE SAME PLANT
32926	VINYL ASBESTOS FLOOR TILE
22952	VINYL COATED FABRICS, WOVEN, KNITTED, NONWOVEN OR SHADE CLOTH
28213	VINYL RESINS, THERMOPLASTIC
28242	VINYON FIBERS
39314	VIOLINS AND PARTS
28312	VIRUSES, HUMAN USE
28232	VISCOSE FIBERS
38213	VISCOSIMETERS
35453	VISES, TOOLROOM
23961	VISOR CAPS
28347	VITAMIN, NUTRIENT AND HEMATINIC PREPARATIONS, FOR HUMAN USE
28349	VITAMINS AND MINERALS, VETERINARY PHARMACEUTICAL
28347	VITAMINS FOR HUMAN USE
28332	VITAMINS FROM PLANTS AND YEAST, BULK
28332	VITAMINS, NATURALLY OCCURRING, BULK
28331	VITAMINS, SYNTHETIC, BULK
32620	VITREOUS CHINA TABLE AND KITCHEN ARTICLES
28933	VITREOUS ENAMEL (FRIT)
34611	VITREOUS-ENAMELED PRODUCTS
32610	VITREOUS PLUMBING FIXTURES
32591	VITRIFIED CLAY SEWER PIPE AND FITTINGS
20853	VODKA, BOTTLED
22211	VOILES, 100% FILAMENT RAYON AND/OR ACETATE (GRAY GOODS)
22115	VOILES, FINE COTTON GOODS (GRAY GOODS)
36112	VOLTAGE METERS, FOR ELECTRICAL, RADIO AND COMMUNICATION CIRCUITS
36121	VOLTAGE REGULATING TRANSFORMERS
36113	VOLTMETERS AND AMMETERS FOR MOTOR VEHICLES
36112	VOLTMETERS, VACUUM TUBE
36112	VOLT-OHM-MILLIAMMETER
26552	VULCANIZED FIBER CANS, TUBES, AND DRUMS
28219	VULCANIZED FIBER, PLASTIC AND RESIN MATERIAL
28185	VULCANIZED VEGETABLE OILS
35594	VULCANIZING PRESSES, RUBBER-WORKING MACHINERY
22411	VULCANIZING TAPES, WOVEN
22930	WADDING, COTTON LINTER, RAW AND WASTE
26492	WADDING, CREPED, FOR PACKAGING (CELLULOSE) AND CREPE PAPER FOR WRAPPING
26492	WADDING FOR PACKAGING CREPED CELLULOSE
26210	WADDING, PAPER, FOR PACKING
39493	WADING POOLS, SPORTING AND ATHLETIC EQUIPMENT
19610	WADS (AMMUNITION), FOR SMALL ARMS, 30 MM. (1.18 INCHES) AND UNDER
20522	WAFERS, SWEETENED
20455	WAFFLE, DRY MIXES (MADE FROM FLOUR NOT MILLED IN SAME ESTABLISHMENT)
20415	WAFFLE DRY MIXES (MADE IN FLOUR MILLS)
36343	WAFFLE IRONS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
20373	WAFFLES, FROZEN
39430	WAGONS, CHILDREN'S
37992	WAGONS, FARM, INCLUDING PARTS
22531	WAISTBANDS, KNIT, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
23619	WAISTS, GIRLS', CHILDREN'S, AND INFANTS' (CONTRACT RECEIPTS)
23610	WAISTS, GIRLS', CHILDREN'S, AND INFANTS', SIZES 1 TO 16
23317	WAISTS, WOMEN'S, MISSES', AND JUNIORS', FROM WOVEN FABRIC
23319	WAISTS, WOMEN'S, MISSES', AND JUNIORS' (COMMISSION AND CONTRACT RECEIPTS)
39430	WALKERS, BABY (VEHICLE)
25142	WALL CABINETS, METAL, KITCHEN FURNITURE
32722	WALL PANELS, ARCHITECTURAL, PRECAST CONCRETE
30796	WALL TILE, PLASTICS
32927	WALLBOARD, ASBESTOS-CEMENT
26611	WALLBOARD, INSULATING
26495	WALLBOARD, LAMINATED (PAPER PRODUCTS)
31720	WALLETS, LEATHER OR PLASTIC
26440	WALLPAPER, MACHINE, SCREEN OR HANDPRINTED
28423	WALLPAPER, WINDOW SHADE AND WALL CLEANER
36442	WALLPLATES, SWITCH AND OUTLET (METAL OR PLASTICS) NONCURRENT-CARRYING DEVICES
24332	WALLS, WOOD, FOR PREFABRICATED AND PRECUT BUILDINGS
23920	WARDROBE BAGS
26431	WARDROBE BAGS, PAPER
25116	WARDROBES, CHILDREN'S, WOODEN, PAINTED OR FINISHED
25115	WARDROBES, WOODEN, BEDROOM, PAINTED OR FINISHED, EXCEPT CHILDREN'S
34336	WARM AIR FURNACE, PARTS AND ATTACHMENTS, SOLD SEPARATELY
34332	WARM AIR FURNACES, EXCEPT FLOOR AND WALL, PARTS
36426	WARNING LIGHTS (EMERGENCY)
22561	WARP KNIT FABRICS, KNIT FABRIC MILL PRODUCT (FINISHED)
22829	WARPING OF YARN EXCEPT WOOL, NOT SPUN OR THROWN AT SAME ESTABLISHMENT (COMMISSION RECEIPTS)
23292	WASH SUITS, MEN'S, YOUTHS', AND BOYS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
23690	WASH SUITS, WOVEN, TODDLERS', MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22561	WASHCLOTH AND DISHCLOTH FABRIC, WARP KNIT IN A KNIT FABRIC MILL
22119	WASHCLOTHS, COTTON, MADE IN BROADWOVEN FABRIC MILLS
23929	WASHCLOTHS, MADE FROM PURCHASED FABRIC
22590	WASHCLOTHS, MADE FROM YARN OR FABRIC KNIT IN SAME ESTABLISHMENT
36331	WASHER-DRYER COMBINATION, HOUSEHOLD
34618	WASHTUBS AND BOILERS, STAMPED
35820	WASHER-EXTRACTORS, COMMERCIAL LAUNDRY AND DRYCLEANING
35820	WASHERS, COMMERCIAL LAUNDRIES
24994	WASHERS, CORK
34521	WASHERS, PLATE, SPRING OR LOCK
34611	WASHING MACHINE PARTS OF VITREOUS-ENAMEL
35820	WASHING MACHINES, COMMERCIAL, DRYCLEANING AND LAUNDRY
36331	WASHING MACHINES, HOUSEHOLD, INCLUDING WASHER-DRYER COMBINATION AND DISHWASHER ATTACHMENTS
35319	WASHING PLANT, CONSTRUCTION MACHINERY
22940	WASTE, TEXTILE, PROCESSED
39610	WATCH ATTACHMENTS, BASE METAL
39111	WATCH BRACELETS, CHAINS, AND ATTACHMENTS OF PLATINUM AND CARAT GOLD
39112	WATCH BRACELETS, CHAINS, AND ATTACHMENTS OF PRECIOUS METAL, EXCEPT CARAT GOLD AND PLATINUM
32316	WATCH CRYSTALS, GLASS, FROM PURCHASED GLASS
38715	WATCH MOVEMENTS (DOMESTIC) COMPLETE, FOR SALE SEPARATELY
38720	WATCHCASES, WRISTWATCH, POCKET AND OTHERS
38715	WATCHES WITH DOMESTIC MOVEMENTS, INCLUDING BATTERY POWERED
38714	WATCHES WITH IMPORTED MOVEMENTS INCLUDING BATTERY POWERED, COMPLETE
30697	WATER BOTTLES, FOUNTAIN SYRINGES AND COMBINATIONS, RUBBER
32610	WATER CLOSET BOWLS, VITREOUS CHINA
34320	WATER CLOSET TANK FLUSHING CONTROLS
34310	WATER CLOSETS AND FLUSH TANKS, ENAMELED IRON AND STEEL
35853	WATER COOLERS, DRINKING, MECHANICAL REFRIGERATED
35851	WATER COOLING TOWERS (HEAT TRANSFER EQUIPMENT)
36391	WATER HEATERS, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ACCESSORIES)
36393	WATER HEATERS, ELECTRIC, PARTS AND ACCESSORIES ONLY
36392	WATER HEATERS, NONELECTRIC, HOUSEHOLD
20240	WATER ICES
37141	WATER PUMPS, VEHICLE
35892	WATER SOFTENERS AND CONDITIONERS
35613	WATER SYSTEMS, DOMESTIC, INCLUDING PUMPS, PUMP JACKS AND CYLINDERS
34336	WATER TANK FOR HEATERS
28993	WATER TREATING COMPOUNDS
35111	WATER TURBINE GENERATOR SETS (HYDRAULIC)
28423	WATERLESS HAND CLEANERS
38212	WATERMETERS
23850	WATERPROOF OUTER GARMENTS, EXCEPT ALL RUBBER
28993	WATERPROOFING COMPOUNDS, ELECTRICAL, LEATHER, MASONRY, TEXTILE
36111	WATT-HOUR AND DEMAND METER, ELECTRICAL, COMBINED
36111	WATT-HOUR METER, A.C. AND D.C.
36113	WATT-VARIOMETER
28443	WAVE SOLUTIONS, PERMANENT
36795	WAVEGUIDES AND FITTINGS, ELECTRONIC
26412	WAXED AND WAXED-LAMINATED PAPER
22953	WAXED FABRICS
26412	WAXED PAPER, HOUSEHOLD
26412	WAXED PAPER, INCLUDING LAMINATED
29110	WAXES FROM PETROLEUM
35892	WAXING MACHINES, FLOOR, COMMERCIAL, HOUSEHOLD, INDUSTRIAL
19310	WEAPONS, SELF-PROPELLED, AND PARTS
36626	WEATHER STATIONS, AUTOMATIC AIRBORNE, GROUND AND MARINE PACKAGE
36626	WEATHER TRACKING EQUIPMENT, ELECTRONIC
35992	WEATHER VANES
23990	WEATHERSTRIP, FELT, FROM PURCHASED FELTS
34425	WEATHERSTRIP, METAL
35485	WEAVING AND WIRE FABRICATING MACHINERY, METAL
22811	WEAVING YARNS, CARDED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
22812	WEAVING YARNS, COMBED COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
22814	WEAVING YARNS, MANMADE FIBER AND SILK, GRAY OR FINISHED IN YARN SPINNING MILLS
22813	WEAVING YARNS, SPUN, RAYON AND/OR ACETATE, GRAY OR FINISHED IN YARN SPINNING MILLS
22823	WEAVING YARNS, THROWN FILAMENT
22831	WEAVING YARNS, WOOL, EXCEPT CARPET, INCLUDING NEW, REUSED AND REPROCESSED, YARN MILL PRODUCTS
22311	WEAVING YARNS, WOOL, NOT COMBED OR SPUN AT THIS ESTABLISHMENT, FINISHED IN BROADWOVEN FABRIC MILLS
22411	WEBBING, WOVEN NARROW FABRICS
26491	WEDDINGS AND SOCIAL ANNOUNCEMENTS, PAPER, CARDS, AND ENVELOPES
28790	WEED KILLERS
35228	WEEDERS AND CULTIVATORS, FARM, INCLUDING ATTACHMENTS
34233	WEEDERS, HANDTOOL
20231	WEIGHT CONTROL DIETARY SUPPLEMENTS, CANNED, DAIRY BASE OR NONDAIRY BASE
20231	WEIGHT CONTROL DIETARY SUPPLEMENT, DRY MILK BASE
20232	WEIGHT CONTROL PRODUCTS, DAIRY BASE, CANNED
20264	WEIGHT CONTROL PRODUCTS (MILK DERIVATIVE) PACKAGED AT THIS PLANT
33159	WELDED STEEL WIRE FABRIC, MADE BY WIREDRAWERS
34819	WELDED STEEL WIRE FABRIC, NOT PRODUCED BY WIREDRAWERS
36233	WELDER-RESISTANCE, ELECTRODES, BUTT, FLASH, SEAM, SPOT AND PROJECTION
31510	WELDERS' GLOVES, ALL LEATHER
35483	WELDING AND CUTTING EQUIPMENT, EXCEPT ELECTRIC

Code	Product
35483	WELDING APPARATUS, GAS TYPE, INCLUDING MACHINES
38423	WELDING HELMETS AND MASKS
36231	WELDING MACHINERY AND ACCESSORIES, ARC, EXCEPT ELECTRODES
34432	WELDMENTS, FABRICATED STEEL PLATE
33176	WELL CASING, NOT MADE IN ROLLING MILL
35334	WELL SURVEYING MACHINERY AND EQUIPMENT, OILFIELD AND GASFIELD MACHINERY AND TOOLS
31111	WELTING LEATHER GRAINS AND OFFAL LEATHER
26318	WET MACHINE BOARD, PAPER
28430	WETTING AGENTS
25112	WHAT-NOTS, WOOD, PAINTED OR FINISHED
20412	WHEAT BRAN, SHORTS, AND MIDDLINGS
20430	WHEAT FLAKES, BREAKFAST FOOD
20411	WHEAT FLOUR, EXCEPT FLOUR MIXES (WHITE)
20412	WHEAT GERM
20830	WHEAT MALT
20412	WHEAT MIDDLINGS
20412	WHEAT MILLFEED
20412	WHEAT SHORTS
35484	WHEEL BALANCERS, AUTOMOTIVE
33120	WHEEL, TIRES AND RIMS, FOR CAR AND LOCOMOTIVE, ROLLED, STEEL MILL PRODUCT
35229	WHEEL TRACTOR PARTS SOLD SEPARATELY (EXCEPT CONTRACTORS' OFF-HIGHWAY TYPE)
35221	WHEEL TRACTORS AND ATTACHMENTS (EXCEPT CONTRACTORS' OFF-HIGHWAY TYPE, GARDEN TRACTORS AND MOTOR TILLERS)
35311	WHEEL TRACTORS, CONTRACTORS' OFF-HIGHWAY TYPE
35317	WHEEL TYPE TRACTOR SHOVEL LOADERS
37992	WHEELBARROWS
38421	WHEELCHAIRS
33214	WHEELS, RAILROAD CAR, CHILLED IRON, GRAY IRON
37141	WHEELS, VEHICLE
34990	WHEELS; WHEELBARROW, STROLLER, LAWNMOWER, ETC., DISC TYPE, STAMPED METAL
20231	WHEY, DRY
23510	WHIMSIES AND MINIATURES, MILLINERY WOMEN AND CHILDREN, MADE FROM VEILING, DECORATED AND ON A WIRE FRAME
22114	WHIPCORDS, COTTON, COLORED YARN FABRICS (GRAY GOODS)
20999	WHIPPED TOPPING, NONBUTTERFAT BASE
20262	WHIPPED TOPPING, PACKAGED IN THIS PLANT, WITH A BUTTERFAT BASE
31990	WHIPS, LEATHER
39911	WHISKBROOMS
20853	WHISKEY BLENDS, BOTTLED
20853	WHISKEY, BOTTLED
20851	WHISKEY (RAW), DISTILLED
28163	WHITE EXTENDER PIGMENTS
20411	WHITE FLOUR, ENRICHED AND ALL-PURPOSE
28162	WHITE LEAD PIGMENTS, EXCEPT WHITE LEAD OIL
20332	WHITE POTATOES, CANNED
20310	WHITEFISH-SMOKED
38614	WHITEPRINTING EQUIPMENT
32630	WHITEWARE, HOUSEHOLD AND COMMERCIAL, EARTHENWARE
28163	WHITING PIGMENT, INCLUDING GROUND LIMESTONE OR CHALK
20411	WHOLE WHEAT FLOUR
25190	WICKER FURNITURE
22414	WICKING, BRAIDED
22411	WICKING, FLAT WOVEN
20117	WIENERS, NOT CANNED, MADE IN MEATPACKING PLANT
20137	WIENERS, NOT CANNED, NOT MADE IN MEATPACKING PLANT
39999	WIGS AND TOUPEES
25190	WILLOW FURNITURE
24995	WILLOWWARE, EXCEPT FURNITURE
22710	WILTON WOVEN CARPETS AND RUGS, WOOL OR CHIEFLY WOOL
35319	WINCHES, INCLUDING WINCHES FOR MOUNTING ON WHEEL OR TRACKLAYING TRACTORS
35521	WINDING MACHINERY, TEXTILE YARN
22829	WINDING OF YARN EXCEPT WOOL, NOT SPUN OR THROWN AT SAME ESTABLISHMENT (COMMISSION RECEIPTS)
35228	WINDMILL HEADS AND TOWERS
34425	WINDOW AND DOOR SCREENS, METAL, EXCEPT COMBINATION
25420	WINDOW BACKS, METAL
25410	WINDOW BACKS, WOOD
23910	WINDOW CURTAINS, EXCLUDING LACE, MADE OF PURCHASED FABRIC, INCLUDING PLASTIC AND GLASS FIBER
36341	WINDOW FAN, ELECTRIC, HOUSEHOLD (EXCEPT PARTS AND ATTACHMENTS)
24313	WINDOW FRAMES, WOOD, EXCLUDING WINDOW FRAMES SHIPPED IN WINDOW UNITS
32111	WINDOW GLASS, SINGLE OR DOUBLE STRENGTH
34422	WINDOW SASH AND FRAMES, METAL, EXCEPT STORM SASH
24312	WINDOW SASH, WOOD, INCLUDING COMBINED SCREEN AND STORM SASH, EXCLUDING WINDOW SCREENS AND WINDOW UNITS
34425	WINDOW SCREENS, WITH METAL FRAMES
24318	WINDOW SCREENS, WOOD FRAMED
22113	WINDOW SHADE CLOTH, COTTON (GRAY GOODS)
25911	WINDOW SHADES AND ACCESSORIES
24311	WINDOW UNITS, WOOD, CONVENTIONAL - DOUBLE HUNG
32113	WINDSHIELD GLASS, LAMINATED, SAFETY, MADE FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
32313	WINDSHIELD GLASS, SAFETY, LAMINATED, MADE FROM PURCHASED GLASS
26472	WINDSHIELD WIPERS, PAPER
20840	WINE REMOVED FROM FERMENTERS
20840	WINES, ALL TYPES, INCLUDING STILL, NATURAL AND CARBONATED SPARKLING BRANDY, VERMOUTH, SPIRITS, ETC.
20961	WINTER STEARIN, VEGETABLE OIL
26472	WIPERS, PAPER, WINDSHIELD, INDUSTRIAL, ETC.
22116	WIPING FABRICS, INDUSTRIAL, COTTON (GRAY GOODS)
33571	WIRE, ALUMINUM, BARE, INCLUDING ACSR, PRODUCED IN A WIREDRAWING ESTABLISHMENT
34211	WIRE AND BX CUTTERS
36996	WIRE AND CORD, APPLIANCE, AND FLEXIBLE CORD SETS, FROM PURCHASED MATERIALS
33576	WIRE, APPLIANCE, PRODUCED IN ESTABLISHMENTS WHICH INSULATE WIRE
33579	WIRE, AUTO AND AIRCRAFT
33159	WIRE BALE TIES, FERROUS, MADE BY WIREDRAWERS
34819	WIRE BALE TIES, FERROUS, NOT PRODUCED BY WIREDRAWERS
33521	WIRE, BARE ALUMINUM, MADE IN ROLLING MILL
33573	WIRE, BARE, NONFERROUS, MADE IN WIREDRAWING PLANT
33560	WIRE, BARE, NONFERROUS, ROLLED, DRAWN AND EXTRUDED
33159	WIRE BASKETS, GUARDS, FLORISTS' DESIGNS AND KITCHENWARE, FERROUS, MADE BY WIREDRAWERS
34819	WIRE BASKETS, GUARDS, FLORISTS' DESIGNS AND KITCHENWARE, FERROUS, NOT PRODUCED BY WIREDRAWERS
33579	WIRE, BUILDING
33159	WIRE CARTS, INCLUDING HOUSEHOLD, GROCERY AND INDUSTRIAL, FERROUS, MADE BY WIREDRAWERS
34819	WIRE CARTS, INCLUDING HOUSEHOLD, GROCERY AND INDUSTRIAL, FERROUS, NOT PRODUCED BY WIREDRAWERS
33159	WIRE, CHAIN, BARBED, BALING, FABRIC, HANGERS, FERROUS, MADE IN WIRE-DRAWING PLANT
34819	WIRE, CHAIN, BARBED, BALING, FABRIC, HANGERS, FERROUS, NOT MADE BY WIREDRAWERS
34814	WIRE CLOTH, DIAMOND, SPIRAL AND WOVEN CLOTH DRYING BELTS, FERROUS, MADE FROM PURCHASED WIRE
33157	WIRE CLOTH, DIAMOND, SPIRAL AND WOVEN CLOTH DRYING BELTS, FERROUS, MADE IN WIREDRAWING PLANTS
33575	WIRE CLOTH, NONFERROUS, INDUSTRIAL, MADE IN WIREDRAWING PLANT
34815	WIRE CLOTH, NONFERROUS, NOT MADE BY WIREDRAWERS
33574	WIRE, COMMUNICATION, PAPER, INSULATED
33574	WIRE, COMMUNICATION, PRODUCED IN WIREDRAWING ESTABLISHMENT
33572	WIRE, COPPER AND COPPER-BASE ALLOY, BARE AND TINNED, FOR ELECTRICAL TRANSMISSION
33511	WIRE, COPPER, BARE AND TINNED (NONELECTRIC, UNALLOYED AND ALLOYED)
35485	WIREDRAWING MACHINES AND DRAW BENCHES
33159	WIRE FABRIC OF WELDED STEEL, MADE BY WIREDRAWERS
34819	WIRE FABRIC OF WELDED STEEL, NOT PRODUCED BY WIREDRAWERS
33156	WIRE FENCE, WOVEN AND WELDED STEEL, MADE IN WIREDRAWING PLANT
34816	WIRE FENCE, WOVEN AND WELDED STEEL, NOT PRODUCED BY WIREDRAWERS
33159	WIRE GARMENT HANGERS, FERROUS, MADE IN WIREDRAWING PLANT
34819	WIRE GARMENT HANGERS, FERROUS, NOT PRODUCED BY WIREDRAWERS
32114	WIRE GLASS, FROM GLASS PRODUCED IN THE SAME ESTABLISHMENT
33577	WIRE, MAGNET
33579	WIRE, MARINE, U.S. NAVY AND MERCHANT MARINE
33159	WIRE MESH OF WELDED STEEL FOR CONCRETE REINFORCING, MADE BY WIRE-DRAWERS
34819	WIRE MESH, OF WELDED STEEL, FOR CONCRETE REINFORCING, NOT MADE BY WIREDRAWERS
34814	WIRE NETTING, WOVEN FOR POULTRY, FUR FARM, AND STUCCO, FERROUS, NOT MADE BY WIREDRAWERS
33157	WIRE NETTING, WOVEN, STEEL, FOR POULTRY, FUR FARM AND STUCCO, MADE IN WIREDRAWING PLANT
33578	WIRE, POWER
33122	WIRE RODS, STEEL ALLOY SEMIFINISHED
34811	WIRE ROPE AND CABLE, FERROUS, NONINSULATED AND NOT PRODUCED BY WIREDRAWERS
33151	WIRE ROPE, CABLE AND STRAND, NONINSULATED, FERROUS, MADE IN WIRE-DRAWING PLANT
33575	WIRE SCREENING (INSECT), NONFERROUS, MADE IN WIREDRAWING PLANT
34815	WIRE SCREENING (INSECT), NONFERROUS, NOT MADE BY WIREDRAWERS
34813	WIRE SPRINGS FOR MATTRESSES AND BEDSPRINGS
34813	WIRE SPRINGS FOR UPHOLSTERY AND FURNITURE (UNASSEMBLED)
33155	WIRE, STEEL, NOT PRODUCED IN STEEL MILL
33125	WIRE, STEEL, PRODUCED IN STEEL MILLS
33151	WIRE STRAND FOR PRESTRESSED CONCRETE, FERROUS, MADE IN WIRE-DRAWING PLANT
34811	WIRE STRAND FOR PRESTRESSED CONCRETE, FERROUS, NOT PRODUCED BY WIREDRAWERS
33579	WIRE, WEATHERPROOF AND SLOW BURNING
35485	WIRE WEAVING AND FABRICATING MACHINES
24420	WIREBOUND BOXES AND CRATES, MADE FROM LUMBER, VENEER, AND PLYWOOD
22511	WOMEN'S AND MISSES' FINISHED STOCKINGS, FULL-FASHIONED AND SEAMLESS
31414	WOMEN'S SHOES, WORK, PLAY, DRESS
28612	WOOD ALCOHOL
34521	WOOD AND WOOD DRIVE SCREWS
24430	WOOD BASKETS AND HAMPERS FOR FRUIT AND VEGETABLES
25115	WOOD BEDROOM FURNITURE, FINISHED AND PAINTED, EXCEPT CHILDREN'S AND UPHOLSTERED
28612	WOOD CHEMICALS
24219	WOOD CHIPS, MADE IN SAWMILLS
25113	WOOD DINING ROOM AND KITCHEN FURNITURE (EXCEPT CABINETS), FINISHED AND PAINTED
24996	WOOD FIBERBOARD, HARD-PRESSED
26612	WOOD FIBER INSULATION (FLEXIBLE PAPER BLANKETS)
24995	WOOD FLOUR
25126	WOOD FRAMES FOR HOUSEHOLD FURNITURE
25114	WOOD KITCHEN CABINETS, FACTORY MADE, FINISHED AND PAINTED
24316	WOOD MOULDING, FINISHED FOR WINDOW OR DOOR TRIM, HARD OR SOFTWOOD
24995	WOOD NOVELTIES AND SPECIALTIES
25210	WOOD OFFICE FURNITURE
25410	WOOD PARTITIONS
35540	WOOD PREPARATION EQUIPMENT FOR PAPER INDUSTRY
24919	WOOD PRESERVING, CONTRACT RECEIPTS (I.E., PRESERVING OF WOOD OWNED BY OTHER ESTABLISHMENTS)
24911	WOOD PRESERVING, WOOD OWNED AND TREATED BY SAME ESTABLISHMENT
25117	WOOD, UNPAINTED FURNITURE
24324	WOOD VENEER BLOCKS
24313	WOOD WINDOW AND DOOR FRAMES
24312	WOOD WINDOW SASH, INCLUDING COMBINATION SCREEN AND STORM SASH
24290	WOOD WOOL, A SAWMILL PRODUCT
24412	WOODEN BOX AND CRATE SHOOK FROM LUMBER, VENEER, OR PLYWOOD
24411	WOODEN BOXES, NAILED OR LOCKED-CORNERS, MADE FROM LUMBER, VENEER, AND PLYWOOD
24995	WOODENWARE, TURNED, SHAPED, OR MOLDED (DISHES, SALAD BOWLS, SERVING FORKS, ETC.)
26112	WOODPULP, SCREENINGS, OFF-QUALITY AND DAMAGED
26112	WOODPULP, SEMICHEMICAL
34233	WOODWORKING FILES AND RASPS
35531	WOODWORKING MACHINERY, INCLUDING PARTS AND ATTACHMENTS, EXCEPT THAT DESIGNED FOR HOME WORKSHOPS, GARAGES, AND SERVICE SHOPS
35532	WOODWORKING MACHINERY, INCLUDING PARTS AND ATTACHMENTS, FOR HOME WORKSHOP, GARAGES, SERVICE SHOPS, EXCEPT POWER, HANDTOOLS
22319	WOOL AND CHIEFLY WOOL BLANKETS, FINISHED, CRIB AND REGULAR SIZE FOR BED, CAMP, OR MOTOR ROBES
22312	WOOL AND WORSTED APPAREL AND NONAPPAREL FABRICS, GRAY GOODS, MADE IN WEAVING AND FINISHING MILLS
22313	WOOL, BROADWOVEN APPAREL FABRICS, FINISHED
22832	WOOL CARPET YARN (WEAVING AND TUFTING) INCLUDING NEW, REUSED AND REPROCESSED WOOL
23521	WOOL FELT HAT BODIES, MADE FOR SALE AS SUCH
23521	WOOL FELT HATS, FINISHED, EXCEPT MILLINERY

Code	Product
22314	WOOL FELTS, BROADWOVEN, FINISHED
22970	WOOL GREASE, RECOVERED (ANHYDROUS BASIS)
20110	WOOL, PULLED
22970	WOOL, SCOURING
22831	WOOL YARNS, EXCEPT CARPET YARNS, INCLUDING NEW, REUSED, AND REPROCESSED WOOL. A YARN MILL PRODUCT
22311	WOOL YARNS, NOT COMBED OR SPUN AT THIS ESTABLISHMENT, FINISHED IN BROADWOVEN FABRIC MILLS
22313	WOOLEN AND WORSTED BROADWOVEN APPAREL FABRICS, FINISHED
22312	WOOLEN AND WORSTED FABRICS, BROADWOVEN (GRAY GOODS)
22414	WOOLEN AND WORSTED FABRICS, NARROW, BRAIDED
22411	WOOLEN AND WORSTED FABRICS, NARROW, WOVEN
22311	WOOLEN AND WORSTED YARN, FINISHED IN BROADWOVEN FABRIC MILLS
22314	WOOLEN AND WORSTED NONAPPAREL FABRICS AND FELTS, BROADWOVEN, FINISHED
22831	WOOLEN AND WORSTED YARNS, INCLUDING NEW, REUSED AND REPROCESSED WOOL, YARN MILL PRODUCT
20353	WORCESTERSHIRE SAUCE
23282	WORK CLOTHING (EXCEPT SHIRTS), MEN'S AND BOYS'
23289	WORK CLOTHING, MEN'S, YOUTHS', AND BOYS' (CONTRACT AND COMMISSION RECEIPTS)
23282	WORK GARMENTS, OIL-FABRIC, EXCEPT RAINCOATS, MEN'S AND BOYS'
22590	WORK GLOVES AND MITTENS, MADE FROM YARNS OR FABRICS, KNIT IN THE SAME ESTABLISHMENT
23812	WORK GLOVES, INCLUDING LEATHER AND FABRIC COMBINATION, MADE FROM WOVEN OR PURCHASED KNIT FABRIC
22312	WOVEN WOOL FELTS, GRAY GOODS, MADE IN WEAVING AND FINISHING MILLS
23282	WORK PANTS, MEN'S AND BOYS'
23281	WORK SHIRTS, MEN'S, YOUTHS', AND BOYS'
31412	WORK SHOES FOR MEN
27311	WORKBOOKS, SCHOOL, PAPERBOUND, PRINTING AND PUBLISHING
22970	WORSTED COMBING
22411	WOVEN NARROW FABRICS
33157	WOVEN WIRE NETTING FERROUS FOR POULTRY, FUR FARM, STUCCO, ETC., MADE IN WIRE DRAWING PLANTS
26491	WRAPPED REAM PAPER, PLAIN OR FAINT RULED
27512	WRAPPERS AND LABEL PRINTING BY LETTERPRESS AND FLEXOGRAPH
27522	WRAPPERS AND LABEL PRINTING BY LITHOGRAPH
34970	WRAPPERS AND WRAPS, CONVERTED ALUMINUM FOIL
26415	WRAPPERS, LAMINATED OR COATED, ROLLS, SHEETS, EXCEPT WAXED
27518	WRAPPERS OR WRAPS PRINTED BY GRAVURE
35690	WRAPPING AND PACKAGING MACHINERY, SUCH AS BUNDLING, BANDING, AND WADDING MACHINES
35511	WRAPPING AND PACKAGING MACHINES, BUTTER AND CHEESE, DRY MILK AND ICE CREAM
35512	WRAPPING MACHINES, BAKERY
26218	WRAPPING PAPER, COARSE, CONVERTING PAPER, EXCEPT UNBLEACHED KRAFT
26210	WRAPPING PAPER, TISSUE STOCK
26217	WRAPPING PAPER, UNBLEACHED KRAFT
26492	WRAPPING PRODUCTS, PAPER, EXCEPT COATED, OILED OR WAXED
22983	WRAPPING, SEINE, COTTON CORDAGE AND TWINE
26412	WRAPS FOR BREAD, CANDY, CEREAL, CHEESE, WAXED PAPER
27512	WRAPS PRINTED BY LETTERPRESS AND FLEXOGRAPH
39620	WREATHS, ARTIFICIAL, GARLANDS AND SPRAYS, MADE FROM TREE BOUGHS AND CONES
34231	WRENCHES, SOCKET OR FLAT
36332	WRINGERS, HOUSEHOLD LAUNDRY
28516	WRINKLE FINISHES, INDUSTRIAL
26491	WRITING PAPER AND ENVELOPES, BOXED SETS, MADE FROM PURCHASED MATERIALS
26216	WRITING PAPER, FINE COTTON FIBER OR CHEMICAL WOODPULP
36930	X-RAY EQUIPMENT, INCLUDING X-RAY TUBES AND ELECTROTHERAPEUTIC APPARATUS
38615	X-RAY FILM
36930	X-RAY GENERATORS
36930	X-RAY VALVES, RECTIFIERS
39314	XYLOPHONES AND PARTS
37313	YACHTS, NEW NONMILITARY
36421	YARD LIGHTING FIXTURES, GARDEN, PATIO, WALKWAY, EXCEPT PORTABLES (EXCEPT BULBS, PARTS AND ACCESSORIES)
28231	YARN, ACETATE AND TRIACETATE, MANMADE FIBERS
22812	YARN, COMBED COTTON MERCERIZED FINISHED IN YARN SPINNING MILLS
22690	YARN, COTTON MERCERIZED FINISHED (YARN PURCHASED ELSEWHERE)
22114	YARN FABRICS, COTTON COLORED (GRAY GOODS) BROADWOVEN
22992	YARN, JUTE
22992	YARN, METALLIC
35521	YARN PREPARING MACHINES FOR TEXTILES
28232	YARN, RAYON, VISCOSE AND CUPRAMMONIUM PROCESS
22832	YARN, WOOL CARPET, WEAVING AND TUFTING OF NEW, REUSED AND REPROCESSED WOOL
22311	YARN, WOOL, FINISHED, IN BROADWOVEN FABRIC MILLS NOT COMBED OR SPUN AT SAME ESTABLISHMENT
22690	YARNS, BLEACHED OR DYED AND OTHER FINISHES, EXCEPT WOOL (YARN PURCHASED ELSEWHERE)
22811	YARNS, CARDED, COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
22812	YARNS, COMBED, COTTON, GRAY OR FINISHED IN YARN SPINNING MILLS
23920	YARNS, COTTON TUFTING
22829	YARNS (EXCEPT WOOL): COMMISSION THROWING, PLYING, ETC.
22822	YARNS, REWOUND, PLIED, ETC. OTHER THAN WOOL (NOT SPUN OR THROWN AT SAME ESTABLISHMENT)
22814	YARNS, SPUN, MANMADE FIBER AND SILK, GRAY OR FINISHED IN YARN SPINNING MILLS
22813	YARNS, SPUN, RAYON AND/OR ACETATE, GRAY OR FINISHED IN YARN SPINNING MILLS
22824	YARNS, TEXTURED, CRIMPED, OR BULKED FILAMENT: FOR WEAVING, KNITTING CARPETS AND RUGS, CORDAGE AND TWINE, TUFTING, AND SEWING THREAD
22823	YARNS, THROWN FILAMENT
27413	YEARBOOKS (SCHOOL ANNUALS, SOCIETY ANNUALS, ETC.), PUBLISHING
20994	YEAST AND YEAST PRODUCTS, FOR FOOD OR FEED PURPOSES, INCLUDING ACTIVE DRY, COMPRESSED, BREWERS AND EXTRACTS PRIMARY GROWN YEAST
20512	YEAST-RAISED GOODS, SWEET, INCLUDING DOUGHNUTS, SWEET ROLLS, AND COFFEE CAKE
19990	Y-GUNS (ORDNANCE) AND PARTS
20264	YOGURT, PACKAGED IN THIS PLANT
25116	YOUTH BEDS, WOOD, PAINTED OR FINISHED
31413	YOUTH'S AND BOYS' SHOES
28242	ZEIN FIBERS
36749	ZENER DIODES (SEMICONDUCTORS)
36749	ZENER DIODES (VOLTAGE REGULATOR AND VOLTAGE REFERENCE DIODES)
33691	ZINC AND ZINC-BASE ALLOY CASTINGS
28199	ZINC COMPOUNDS
33414	ZINC, INGOT, SHOT, SECONDARY SMELTING AND REFINING
28162	ZINC OXIDE PIGMENTS
33560	ZINC, PLATE, SHEET, STRIP, RODS, BARS, PIPE AND TUBING, ROLLED, DRAWN AND EXTRUDED, NONFERROUS METAL MILL
33331	ZINC, PRIMARY SMELTER PRODUCTS, INCLUDING RESIDUES, ZINC-BASE ALLOYS, ETC.
33334	ZINC, REFINED, PRIMARY, INCLUDING SLAB, DUST, ETC.
33414	ZINC, SLAB (INCLUDING REMELT ZINC) DUST AND ZINC-BASE ALLOYS, SECONDARY
33414	ZINC, SMELTING OR REFINING SECONDARY
28162	ZINC SULFIDE PIGMENT, PURE
22411	ZIPPER TAPES, WOVEN NARROW FABRIC
31610	ZIPPERED HAND LUGGAGE, MEN'S AND WOMEN'S
39641	ZIPPERS AND SLIDE FASTENERS

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